

0001  
Release

**Mendez, Gayla**

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**From:** Andi Marquez <Andi@hwinn.com>  
**Sent:** Friday, September 19, 2014 3:27 PM  
**To:** McCall, Carolyn  
**Cc:** Brian Vines; Zondra Bess  
**Subject:** 35th Avenue Interviews

Ms. McCall,

I apologize that we were not able to get any interviews set up while you were in town. I wanted to touch base with you and see if you would be coming back anytime soon to follow up with additional interviews. We would be happy to continue to contact the individuals you provided us if need be. I will wait to hear from you.

Have a nice weekend.

**HARE | WYNN**  
NEWELL & NEWTON

BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Andi Marquez**  
*Legal Assistant*  
1-800-568-5330

f t in

0008  
Release

**Mendez, Gayla**

---

**From:** Zondra Bess <ZBess@hwnn.com>  
**Sent:** Wednesday, October 01, 2014 3:09 PM  
**To:** McCall, Carolyn  
**Subject:** RE: 35th Avenue Interviews

Carolyn,

Thanks for the clarification on the dates and times you all will be available.

Zondra

**HARE | WYNN**  
NEWELL & NEWTON

BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Zondra Bess**  
*Litigation Support  
Specialist*

2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
1-800-568-5330

f t in

>>> "McCall, Carolyn" <McCall.Carolyn@epa.gov> 10/1/2014 1:09 PM >>>

Hi Zondra,

I appreciate your response. I would like to make you aware that we are currently scheduling interviews for Thursday (10/9) between 11:00am - 4:30pm ( 12:30 - 1:30pm is scheduled). We also have available Friday (10/10) 9:00am - 12:00pm. This is a short trip for a meeting mainly. Therefore the sooner you can provide me with the update I would appreciate. Thank you for your assistance in this matter.

Carolyn McCall, Enforcement Project Manager

**From:** Zondra Bess [mailto:ZBess@hwnn.com]  
**Sent:** Wednesday, October 01, 2014 1:43 PM  
**To:** McCall, Carolyn  
**Cc:** Dax Whitfield  
**Subject:** RE: 35th Avenue Interviews

Good afternoon Carolyn, short

In response to your email I wanted to let you know we are currently working on contacting our clients. I will provide you with an update next week.

Thank you,  
Zondra

HARE | WYNN

NEWELL & NEWTON

BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Zondra Bess**

*Litigation Support Specialist*

2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
1-800-568-5330

f t in

>>> "McCall, Carolyn" <[McCall.Carolyn@epa.gov](mailto:McCall.Carolyn@epa.gov)> 9/30/2014 2:55 PM >>>

Good Afternoon Andi,

Can you provide an update on your clients for October 9<sup>th</sup>? Thanks Carolyn McCall

**From:** Andi Marquez [<mailto:Andi@hwnn.com>]

**Sent:** Friday, September 19, 2014 3:27 PM

**To:** McCall, Carolyn

**Cc:** Brian Vines; Zondra Bess

**Subject:** 35th Avenue Interviews

Ms. McCall,

I apologize that we were not able to get any interviews set up while you were in town. I wanted to touch base with you and see if you would be coming back anytime soon to follow up with additional interviews. We would be happy to continue to contact the individuals you provided us if need be. I will wait to hear from you.

Have a nice weekend.

HARE | WYNN

NEWELL & NEWTON

BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Andi Marquez**

*Legal Assistant*

1-800-568-5330

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## Mendez, Gayla

---

**From:** Zondra Bess <ZBess@hwnn.com>  
**Sent:** Wednesday, October 01, 2014 1:43 PM  
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**Cc:** Dax Whitfield  
**Subject:** RE: 35th Avenue Interviews

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Thank you,  
Zondra

**HARE | WYNN**  
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**Zondra Bess**  
*Litigation Support  
Specialist*

2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
1-800-568-5330

f t in

>>> "McCall, Carolyn" <McCall.Carolyn@epa.gov> 9/30/2014 2:55 PM >>>

Good Afternoon Andi,

Can you provide an update on your clients for October 9<sup>th</sup>? Thanks Carolyn McCall

**From:** Andi Marquez [mailto:Andi@hwnn.com]  
**Sent:** Friday, September 19, 2014 3:27 PM  
**To:** McCall, Carolyn  
**Cc:** Brian Vines; Zondra Bess  
**Subject:** 35th Avenue Interviews

Ms. McCall,

I apologize that we were not able to get any interviews set up while you were in town. I wanted to touch base with you and see if you would be coming back anytime soon to follow up with additional interviews. We would be happy to continue to contact the individuals you provided us if need be. I will wait to hear from you.

Have a nice weekend.



Release

**Smith, Stephen**

**From:** Lodin, Marianne  
**Sent:** Wednesday, January 30, 2013 11:32 AM  
**To:** Don McKenna  
**Cc:** Brian Vines; Debbie Byrd; Jim Pratt; Mann, Teresa; Smith, Stephen; 35AveSiteFile  
**Subject:** Re: 35th Avenue Superfund Site - Properties for Access  
**Attachments:** Image.39d04d5f79c140ca19b466591e21674e34b7aaf7\_13c6dc9f447a.mpf.gif;  
Image.39d04d5f79c140ca19b466591e21674e34b7aaf7\_13c6dc9f448a.mpf.gif;  
Image.39d04d5f79c140ca19b466591e21674e34b7aaf7\_13c6dc9f448b.mpf.gif;  
Image.39d04d5f79c140ca19b466591e21674e34b7aaf7\_13c6dc9f449a.mpf.gif;  
Image.39d04d5f79c140ca19b466591e21674e34b7aaf713c6dd3e463a.mpf.gif;  
Image.39d04d5f79c140ca19b466591e21674e34b7aaf713c6dd3e544a.mpf.gif

Don,

Thank you for your email and well wishes. We are lucky to have a healthy, beautiful little girl.

I will be out on maternity leave until April. I have forwarded your email to Stephen Smith and Teresa Mann (and also copied above), both attorneys for the Site. They will be able to address your questions below.

Regards,  
Marianne

Marianne Ortiz Lodin  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
(P) 404-562-9547  
(E) lodin.marianne@epa.gov

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-----"Don McKenna" wrote: -----

To: Marianne Lodin/R4/USEPA/US@EPA, "Brian Vines"  
From: "Don McKenna"  
Date: 01/24/2013 01:40PM  
Cc: "Debbie Byrd" , "Jim Pratt"  
Subject: Re: 35th Avenue Superfund Site - Properties for Access

Marianne,  
I hope your maternity leave is going well and all is well with your baby and family.

We have a significantly larger number of clients than when we last spoke. We are providing an updated list to Stephanie and continue to cooperate in providing access agreements to the EPA. I have a couple questions and hope you can direct me to the right person in your absence.

- 1) What is the protocol of the vapor intrusion testing our client is being asked to consent to (how is it being done and what is being tested for and what are the levels of detection)?
- 2) When is the list of other responsible parties expected to be public? Or made known to Walter Coke?
- 3) How is the schedule going for testing inside the superfund line? When is testing inside the line expected to be complete?
- 4) Is the EPA testing areas bordering, but outside of, the current EPA Superfund line?

Thanks for your help. When can we expect you back from maternity leave.

Don

**HARE | WYNN**  
NEWELL & NEWTON

Don McKenna Trial Attorney

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330

f t in

>>> Marianne Lodin 10/10/12 9:01 AM >>>

Brian,

We are looking into your request and will get back to you shortly.

Thank you,  
Marianne

Marianne Ortiz Lodin  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
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Brian Vines ---10/09/2012 11:19:58 AM---Marianne, First, thank you for sending us this list. We will begin to determine which of our client

From: Brian Vines  
To: Marianne Lodin/R4/USEPA/US@EPA

Cc: Don McKenna , Jim Pratt , Debbie Byrd  
Date: 10/09/2012 11:19 AM  
Subject: Re: 35th Avenue Superfund Site - Properties for Access

---

Marianne,

First, thank you for sending us this list. We will begin to determine which of our clients are on your list and their status regarding the property. One question I have is whether you could also provide us the Parcel ID number for the properties, that will make it easier to search our database.

Second, do you know who at the ATSDR we should contact regarding this site?

Finally, we will get back to you about how to address access to our client's property.

Let me know if you have any questions.

All the best,

Brian

**Brian Vines, Attorney**  
2025 3rd Avenue North,  
Suite 800  
Birmingham, Alabama 35203  
Phone: 205-328-5330 / 800-568-5330  
Fax: 205-324-2165  
Web: <http://www.hwnn.com>  
Email: [bvines@hwnn.com](mailto:bvines@hwnn.com)

On Oct 9, 2012, at 9:31 AM, Marianne Lodin <[Lodin.Marianne@epamail.epa.gov](mailto:Lodin.Marianne@epamail.epa.gov)> wrote:

Brian,

As we spoke last week, the EPA is able to provide you a list with the addresses that we will be seeking access from in the N. Birmingham communities of Collegeville, Harriman Park, and Fairmont. In turn, we hope to hear from you in the next several days regarding all parties that you represent from this list; whether you represent the owner or tenant of the property; if you represent the owner, whether there is a tenant (and name if known); if you represent the tenant, whether you know of the owner.

Finally, as you may have already seen, a copy of the access agreement that we are requesting residents to sign at the Site is also attached. We would prefer to have one signed agreement from your office on behalf of your clients with an attached list/appendix identifying the consenting owners and/or tenants and their respective addresses.

Please contact me if you have any questions.

Thank you,  
Marianne

*(See attached file: Birmingham Addresses Only.xlsx)(See attached file: ACCESS AUTHORIZATION FOR 35th AVENUE SUPERFUND SITE.pdf)*

Marianne Ortiz Lodin  
Associate Regional Counsel

U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
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**Smith, Stephen**

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**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Monday, December 02, 2013 5:44 PM  
**To:** Smith, Stephen  
**Subject:** North Birmingham Split Sample Results  
**Attachments:** HWNN N. B'ham QA Checked Data\_Final.pdf; ATT00001.htm

Stephen,

Attached is the data we promised you. I look forward to hearing from you regarding the discrepancies in the recent sample we discussed today.

All the best and WAR EAGLE!

Brian

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28717 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical
Method:	EPA Method 8270C	Analyst: Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01839	0.001	5/8/13	1150	0.020	92%	70-130
Acenaphthylene	0.01827	0.001	5/8/13	1150	0.020	91%	70-130
Anthracene	0.01843	0.001	5/8/13	1150	0.020	92%	70-130
Benzo(a)anthracene	0.01868	0.001	5/8/13	1150	0.020	93%	70-130
Benzo(b)fluoranthene	0.20710	0.0001	5/8/13	1150	0.020	1036%	70-130
Benzo(k)fluoranthene	0.02108	0.0001	5/8/13	1150	0.020	105%	70-130
Benzo(ghi)perylene	0.02043	0.0005	5/8/13	1150	0.020	102%	70-130
Benzo(a)pyrene	0.02170	0.0001	5/8/13	1150	0.020	109%	70-130
Chrysene	0.01873	0.0005	5/8/13	1150	0.020	94%	70-130
Dibenzo(ah)anthracene	0.02045	0.001	5/8/13	1150	0.020	102%	70-130
Fluoranthene	0.01783	0.001	5/8/13	1150	0.020	89%	70-130
Fluorene	0.01791	0.001	5/8/13	1150	0.020	90%	70-130
Indeno(1,2,3-cd)pyrene	0.02025	0.001	5/8/13	1150	0.020	101%	70-130
Naphthalene	0.01803	0.001	5/8/13	1150	0.020	90%	70-130
Phenanthrene	0.01828	0.001	5/8/13	1150	0.020	91%	70-130
Pyrene	0.01804	0.0005	5/8/13	1150	0.020	90%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*ML* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 28, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27991 QC
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/21/12	Analyst:	Kevin Doriety
Date Collected:	12/21/12	Date Analysis:	12/27/12
Sample Collector:	D.J.S./M.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID		LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	140115MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.511	90%	0.198	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	12/21/12	Analyst:	Kevin Doriety
Date Collected:	12/21/12	Date Analysis:	12/27/12
Sample Collector:	D.J.S./M.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID		LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	140115MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.559	111%	0.198	0.200	99%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MJD* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 28, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27991 QC
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/21/12	Analyst:	Kevin Doriety
Date Collected:	12/21/12	Date Analysis:	12/27/12
Sample Collector:	D.J.S./M.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	140109MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.460	90%	0.208	0.200	104%	
Barium	0.073	0.493	100%	0.189	0.200	95%	
Cadmium	BDL	0.113	95%	0.196	0.200	98%	
Chromium	BDL	0.525	98%	0.197	0.200	99%	
Lead	0.004	1.291	104%	0.206	0.200	103%	
Selenium	BDL	0.257	81%	0.231	0.200	116%	
Silver	0.003	0.014	103%	0.053	0.050	106%	

QC Matrix:	water	Analytical	
Date Received:	12/21/12	Analyst:	Kevin Doriety
Date Collected:	12/21/12	Date Analysis:	12/28/12
Sample Collector:	D.J.S./M.B.	Method:	EPA Method 7471A

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	140109MS	Recovery %		Conc.	Recovery	
Mercury	BDL	0.00121	88%	0.00211	0.00200	106%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

*Environmental Company, Inc.*

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28402 QC
Address:	4659 Huffinan Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/26/13	Date Analysis:	3/21/13
Sample Collector:	N.B.C./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141902MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.303	87%	0.170	0.200	85%	

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/26/13	Date Analysis:	3/21/13
Sample Collector:	N.B.C./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141908MS	Recovery %		Conc.	Recovery	
Arsenic	0.006	0.269	77%	0.194	0.200	97%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 3, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27830 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	11/29/12	Analyst:	Kevin Doriety
Date Collected:	11/26 - 28/12	Date Analysis:	12/3/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139449MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.259	87%	0.204	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	11/29/12	Analyst:	Kevin Doriety
Date Collected:	11/26 - 28/12	Date Analysis:	12/3/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139449MS	Recovery %		Conc.	Recovery	
Lead	0.001	0.565	114%	0.178	0.200	89%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 11, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27837 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	11/30/12	Analyst:	Kevin Doriety
Date Collected:	11/27&29/12	Date Analysis:	12/10/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139684 MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.273	94%	0.197	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	11/30/12	Analyst:	Kevin Doriety
Date Collected:	11/27&29/12	Date Analysis:	12/10/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139684 MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.346	99%	0.183	0.200	92%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*hux* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 12, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27876 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/6/12	Analyst:	Kevin Doriety
Date Collected:	12/4 - 5/12	Date Analysis:	12/10/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139684MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.273	94%	0.197	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	12/6/12	Analyst:	Kevin Doriety
Date Collected:	12/4 - 5/12	Date Analysis:	12/10/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139684MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.346	99%	0.183	0.200	92%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*NA* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/7/12	Analyst:	Kevin Doriety
Date Collected:	12/3 - 6/12	Date Analysis:	12/11/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139716MS	Recovery %	IPC	Conc.	Recovery	
Arsenic	BDL	0.288	91%	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	12/7/12	Analyst:	Kevin Doriety
Date Collected:	12/3 - 6/12	Date Analysis:	12/12/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139716MS	Recovery %	IPC	Conc.	Recovery	
Lead	BDL	0.679	111%	0.210	0.200	105%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 18, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27914 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/12/12	Analyst:	Kevin Doriety
Date Collected:	12/11-12/12	Date Analysis:	12/18/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
	LAB ID		139843MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139843MS	Recovery %		Conc.	Recovery	
Arsenic	0.003	0.302	85%	0.209	0.200	105%	

QC Matrix:	water	Analytical	
Date Received:	12/12/12	Analyst:	Kevin Doriety
Date Collected:	12/11-12/12	Date Analysis:	12/18/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
	LAB ID		139843MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139843MS	Recovery %		Conc.	Recovery	
Lead	0.007	0.495	116%	0.208	0.200	104%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*[Signature]* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 18, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27923 QC
Address:	4659 Huffman Rd.	P.O. #	EI1105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/13/12	Analyst:	Kevin Doriety
Date Collected:	12/13/12	Date Analysis:	12/18/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139843MS	Recovery %	IPC	Conc.	Recovery	
Arsenic	0.003	0.302	85%	0.209	0.200	105%	

QC Matrix:	water	Analytical	
Date Received:	12/13/12	Analyst:	Kevin Doriety
Date Collected:	12/13/12	Date Analysis:	12/18/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139843MS	Recovery %	IPC	Conc.	Recovery	
Lead	0.007	0.495	116%	0.208	0.200	104%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*[Signature]* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client: Goodwyn, Mills & Cawood	Report Date: March 26, 2013
Attention: Ms. Jymalyn Redmond	Reference # 28402 QC
Address: 4659 Huffman Rd.	P.O. # E11105
Grady, AL 36036	Project ID: Walter Coke

QC Matrix: water	Analytical
Date Received: 3/7/13	Analyst: Kevin Doriety
Date Collected: 2/26/13	Date Analysis: 3/21/13
Sample Collector: N.B.C./ B.B.	Method: EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141902MS	Recovery %		Conc.	Recovery	
Lead	0.005	0.161	NA*	0.177	0.200	89%	

QC Matrix: water	Analytical
Date Received: 3/7/13	Analyst: Kevin Doriety
Date Collected: 2/26/13	Date Analysis: 3/21/13
Sample Collector: N.B.C./ B.B.	Method: EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141908MS	Recovery %		Conc.	Recovery	
Lead	0.001	0.141	NA*	0.191	0.200	96%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143042MS	Recovery %		Conc.	Recovery	
Lead	0.005	0.494	NA*	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143049MS	Recovery %		Conc.	Recovery	
Lead	0.007	0.319	NA*	0.198	0.200	99%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*[Signature]* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

Within  
70-130  
Further  
Data  
75% 120

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143042MS	Recovery %		Conc.	Recovery	
Arsenic	0.008	0.297	81%	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143049MS	Recovery %		Conc.	Recovery	
Arsenic	0.008	0.235	82%	0.185	0.200	93%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# CHAIN OF CUSTODY ANALYSIS REQUEST

**SEND REPORT TO:**

Name/Co.:

**Address:**

1000000

Phone# / Cell# :

**E-mail:**

**PDF Results:**

1998

Fax # \_\_\_\_\_

34-590-7010

Utrady, AL 36036

7037 Fulham Road

DOOR, SILLI, LILLI, CAYWOOD

#28638

Chem P.O. # E11105

Hare Wynn, Newell, Newton

PROJECT:

**Walter Coke**

**SAMPLER(S)**

**Jymalyn Redmond, Ralph Norman**

**DATE DELIVERED:**

[illegible]

Signed:

Date	Time
------	------

Received in Laboratory by:

Date	Time
------	------

[illegible]

1

100

Invoice # (LAB use only)

⑤

100

100

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd. Grady, AL 36036	P.O. #	E11105
		Project ID:	Walter Coke

QC Matrix:	water	Analytical
Method:	EPA Method 8270C	Analyst:
		Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02070	0.001	4/25/13	1511	0.020	104%	70-130
Acenaphthylene	0.02189	0.001	4/25/13	1511	0.020	109%	70-130
Anthracene	0.02070	0.001	4/25/13	1511	0.020	104%	70-130
Benzo(a)anthracene	0.02086	0.001	4/25/13	1511	0.020	104%	70-130
Benzo(b)fluoranthene	0.02160	0.0001	4/25/13	1511	0.020	104%	70-130
Benzo(k)fluoranthene	0.02169	0.0001	4/25/13	1511	0.020	108%	70-130
Benzo(ghi)perylene	0.02269	0.0005	4/25/13	1511	0.020	108%	70-130
Benzo(a)pyrene	0.02203	0.0001	4/25/13	1511	0.020	113%	70-130
Chrysene	0.01924	0.0005	4/25/13	1511	0.020	110%	70-130
Dibenzo(ah)anthracene	0.02222	0.001	4/25/13	1511	0.020	96%	70-130
Fluoranthene	0.01789	0.001	4/25/13	1511	0.020	111%	70-130
Fluorene	0.02153	0.001	4/25/13	1511	0.020	89%	70-130
Indeno(1,2,3-cd)pyrene	0.02116	0.001	4/25/13	1511	0.020	108%	70-130
Naphthalene	0.01784	0.001	4/25/13	1511	0.020	106%	70-130
Phenanthrene	0.02164	0.001	4/25/13	1511	0.020	89%	70-130
Pyrene	0.01698	0.0005	4/25/13	1511	0.020	85%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*WGA* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

GMC QC Goal 80-120

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

*No Recovery within Target Range*

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	November 30, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27777 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270D	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00845	0.001	11/21/12	0702	0.010	85%	70-130
Acenaphthylene	0.00802	0.001	11/21/12	0702	0.010	80%	70-130
Anthracene	0.00862	0.001	11/21/12	0702	0.010	86%	70-130
Benzo(a)anthracene	0.01194	0.001	11/21/12	0702	0.010	119%	70-130
Benzo(b)fluoranthene	0.01058	0.0001	11/21/12	0702	0.010	106%	70-130
Benzo(k)fluoranthene	0.00962	0.0001	11/21/12	0702	0.010	96%	70-130
Benzo(ghi)perylene	0.00933	0.0005	11/21/12	0702	0.010	93%	70-130
Benzo(a)pyrene	0.00954	0.0001	11/21/12	0702	0.010	95%	70-130
Chrysene	0.00851	0.0005	11/21/12	0702	0.010	85%	70-130
Dibenzo(ah)anthracene	0.00926	0.001	11/21/12	0702	0.010	93%	70-130
Fluoranthene	0.01021	0.001	11/21/12	0702	0.010	102%	70-130
Fluorene	0.00906	0.001	11/21/12	0702	0.010	91%	70-130
Indeno(1,2,3-cd)pyrene	0.00909	0.001	11/21/12	0702	0.010	91%	70-130
Naphthalene	0.00843	0.001	11/21/12	0702	0.010	84%	70-130
Phenanthrene	0.00860	0.001	11/21/12	0702	0.010	86%	70-130
Pyrene	0.00973	0.0005	11/21/12	0702	0.010	97%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

*MA* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	November 30, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27777 QC
Address:	4659 Huffin Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	11/16/12	Analyst:	Kevin Doriety
Date Collected:	11/14-15/12	Date Analysis:	11/28/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		I39306MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	I39306MS	Recovery %		Conc.	Recovery	
Arsenic	0.003	0.285	96%	0.205	0.200	103%	
Lead	0.002	1.049	90%	0.185	0.200	93%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*mtl* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	November 30, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27801 QC
Address:	4659 Huffinan Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	11/20/12	Analyst:	Kevin Doriety
Date Collected:	11/19-20/12	Date Analysis:	11/28/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	LAB ID		LAB ID				
	LAB ID		139306MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139306MS	Recovery %		Conc.	Recovery	
Arsenic	0.003	0.285	96%	0.205	0.200	103%	
Lead	0.002	1.049	90%	0.185	0.200	93%	

IPC = Instrument Performance Check


NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

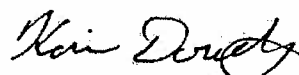
Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 3, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27830 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270D	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01020	0.001	11/30/12	2250	0.010	102%	70-130
Acenaphthylene	0.01075	0.001	11/30/12	2250	0.010	108%	70-130
Anthracene	0.00885	0.001	11/30/12	2250	0.010	89%	70-130
Benzo(a)anthracene	0.00920	0.001	11/30/12	2250	0.010	92%	70-130
Benzo(b)fluoranthene	0.00950	0.0001	11/30/12	2250	0.010	95%	70-130
Benzo(k)fluoranthene	0.00858	0.0001	11/30/12	2250	0.010	86%	70-130
Benzo(ghi)perylene	0.00924	0.0005	11/30/12	2250	0.010	92%	70-130
Benzo(a)pyrene	0.00851	0.0001	11/30/12	2250	0.010	85%	70-130
Chrysene	0.00937	0.0005	11/30/12	2250	0.010	94%	70-130
Dibenzo(ah)anthracene	0.00872	0.001	11/30/12	2250	0.010	87%	70-130
Fluoranthene	0.00928	0.001	11/30/12	2250	0.010	93%	70-130
Fluorene	0.01103	0.001	11/30/12	2250	0.010	110%	70-130
Indeno(1,2,3-cd)pyrene	0.00857	0.001	11/30/12	2250	0.010	86%	70-130
Naphthalene	0.00831	0.001	11/30/12	2250	0.010	83%	70-130
Phenanthrene	0.00906	0.001	11/30/12	2250	0.010	91%	70-130
Pyrene	0.00902	0.0005	11/30/12	2250	0.010	90%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MA* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BITAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sutthlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.: Jymalyn Redmond/Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@att.net

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Jymalyn Redmond, Ralph Norman

### DATE DELIVERED:

### ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
--------	----------	----------------	----------------	-----------------------------	---------	------	-----	-----------------------------

1390716 CV0707B 12/4/12 15:33 composite soil X X X 1

139077 CV05260 12/4/12 14:07 composite soil X X X 1

139078 CV05260 12/4/12 14:38 composite soil X X X 1

139079 CV0330A 12/4/12 9:50 composite soil X X X 1

139080 CV0157C 12/4/12 11:46 composite soil X X X 1

139081 FM0025C 12/5/12 9:42 composite soil X X X 1

139082 FM0311A 12/5/12 11:39 composite soil X X X 1

139083 FM0080C 12/5/12 15:18 composite soil X X X 1

139084 CV0442B 12/5/12 14:14 composite soil X X X 1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Reinquinished by: *[Signature]* Date: 12/6/12 Time: 2:53 Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Reinquinished by: *[Signature]* Date: Time: Received by: *[Signature]*

Refrigerated area receipt: ☒ yes ☐ no

Invoice # (LAB use only): 27876

Turn Around Time (please note):

Standard \*RUSH, mark below

\*1-Day \*2-Day \*Next Day \*Same Day

Remarks:

Remarks:

Remarks:

Remarks:

Remarks:

Remarks:

Remarks:

Remarks:

Remarks:

Remarks:

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 12, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27876 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical
Method:	EPA Method 8270D	Analyst: Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00091	0.001	12/11/12	1445	0.001	91%	70-130
Acenaphthylene	0.00093	0.001	12/11/12	1445	0.001	93%	70-130
Anthracene	0.00094	0.001	12/11/12	1445	0.001	94%	70-130
Benzo(a)anthracene	0.00110	0.001	12/11/12	1445	0.001	110%	70-130
Benzo(b)fluoranthene	0.00110	0.0001	12/11/12	1445	0.001	110%	70-130
Benzo(k)fluoranthene	0.00098	0.0001	12/11/12	1445	0.001	98%	70-130
Benzo(ghi)perylene	0.00092	0.0005	12/11/12	1445	0.001	92%	70-130
Benzo(a)pyrene	0.00097	0.0001	12/11/12	1445	0.001	97%	70-130
Chrysene	0.00100	0.0005	12/11/12	1445	0.001	100%	70-130
Dibenzo(ah)anthracene	0.00095	0.001	12/11/12	1445	0.001	95%	70-130
Fluoranthene	0.00096	0.001	12/11/12	1445	0.001	96%	70-130
Fluorene	0.00099	0.001	12/11/12	1445	0.001	99%	70-130
Indeno(1,2,3-cd)pyrene	0.00095	0.001	12/11/12	1445	0.001	95%	70-130
Naphthalene	0.00112	0.001	12/11/12	1445	0.001	112%	70-130
Phenanthrene	0.00107	0.001	12/11/12	1445	0.001	107%	70-130
Pyrene	0.00094	0.0005	12/11/12	1445	0.001	94%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MJ* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suttlab@bellsouth.net](mailto:suttlab@bellsouth.net)

## CHAIN OF CUSTODY ANALYSIS REQUEST

SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: [jymalyn.redmond@gmnet.net](mailto:jymalyn.redmond@gmnet.net)

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT:

Hare Wym, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED: 12/7

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
139702	HP0108C	12/6/12	10:43	composite soil	X	X		1
139763	HP0108D	12/6/12	10:53	composite soil	X	X	X	1
139704	HP0196A	12/6/12	9:13	composite soil	X	X		1
139705	HP0070A	12/6/12	10:40	composite soil	X	X	X	1
139706	CV0641A	12/6/12	9:20	composite soil	X	X	X	1
139707	HP0276A	12/5/12	9:10	composite soil	X	X		1
139708	HP0286B	12/5/12	10:45	composite soil	X	X	X	1
139709	HP0012A	12/5/12	11:30	composite soil	X	X	X	1
139710	HP0067A	12/5/12	3:00	composite soil	X	X		1
139711	HP0022B	12/5/12	2:20	composite soil	X	X		1
139712	HP0196A	12/6/12	9:13	composite soil	X	X	X	1
139712	CV0640A	12/6/12	1:50	composite soil	X	X	X	1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Relinquished by: Signed: [Signature]

Turn Around Time (please note):

Standard

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks:

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

Received in Laboratory by: Signed: [Signature]

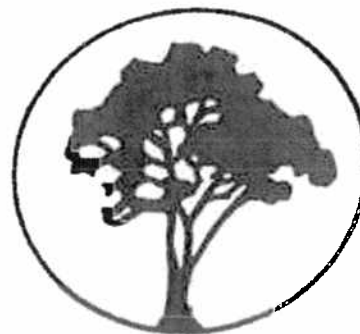
27884



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical
Method:	EPA Method 8270D	Analyst:
		Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00103	0.001	12/14/12	1241	0.001	103%	70-130
Acenaphthylene	0.00091	0.001	12/14/12	1241	0.001	91%	70-130
Anthracene	0.00093	0.001	12/14/12	1241	0.001	93%	70-130
Benzo(a)anthracene	0.00094	0.001	12/14/12	1241	0.001	94%	70-130
Benzo(b)fluoranthene	0.00090	0.0001	12/14/12	1241	0.001	90%	70-130
Benzo(k)fluoranthene	0.00084	0.0001	12/14/12	1241	0.001	84%	70-130
Benzo(ghi)perylene	0.00095	0.0005	12/14/12	1241	0.001	95%	70-130
Benzo(a)pyrene	0.00080	0.0001	12/14/12	1241	0.001	80%	70-130
Chrysene	0.00094	0.0005	12/14/12	1241	0.001	94%	70-130
Dibenzo(ah)anthracene	0.00072	0.001	12/14/12	1241	0.001	72%	70-130
Fluoranthene	0.00095	0.001	12/14/12	1241	0.001	95%	70-130
Fluorene	0.00091	0.001	12/14/12	1241	0.001	91%	70-130
Indeno(1,2,3-cd)pyrene	0.00076	0.001	12/14/12	1241	0.001	76%	70-130
Naphthalene	0.00113	0.001	12/14/12	1241	0.001	113%	70-130
Phenanthrene	0.00091	0.001	12/14/12	1241	0.001	91%	70-130
Pyrene	0.00091	0.0005	12/14/12	1241	0.001	91%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MD* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Dority*

Kevin Dority  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.:

Address:

Phone# / Cell#:

E-mail:

PDF Results:

yes no

Fax #:

Jymalyn Redmond/ Goodwyn, Mills, Cawood

4659 Huffman Road

Grady, AL 36036

34-590-7010

[jymalyn.redmond@gmccnetwork.com](mailto:jymalyn.redmond@gmccnetwork.com)

yes no

Fax #:

CLIENT: Hare Wynn, Newell, Newton

PROJECT: Walter Coke

SAMPLE(S): Jymalyn Redmond, Ralph Norman

DATE DELIVERED: 12/12/12

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	ANALYSIS REQUESTED / METHOD	Number of sample containers
139818	HP0195C	12/11/12	15:09	composite soil	X	X	X		1
139819	HP0128B	12/11/12	12:20	composite soil	X	X			1
139820	HP0141A	12/11/12	13:42	composite soil	X	X	X		1
139821	HP0103B	12/11/12	13:16	composite soil	X	X			1
139822	HP0107A	12/11/12	9:00	composite soil	X	X			1
139823	HP0262A	12/11/12	10:03	composite soil	X	X			1
139824	HP0179A	12/12/12	13:42	composite soil	X	X			1
139825	HP0306B	12/12/12	10:13	composite soil	X	X	X		1
139826	CV0446B	12/12/12	9:03	composite soil	X	X			1
139827	HP0294A	12/12/12	13:12	composite soil	X	X			1
139828	CV0223A	12/12/12	1:59	composite soil	X	X			1
139829	HP0421C	12/12/12	11:22	composite soil	X	X			1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Container:

Relinquished by: *[Signature]*

Date: 12/12/12

Time: 4:20

Signed: *[Signature]*

Received by:

Date:

Time:

Signed:

Remarks:

\*3-Day \*2-Day \*Next Day \*Same Day

Turn Around Time (please note):

Standard

\*RUSH, mark below

Relinquished by:

Date:

Time:

Signed:

Received in Laboratory by:

Date:

Time:

Signed:

Refrigerated upon receipt:

Invoice # (LAB use only):

27914

Last revised: 8/6/08

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

B'HAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sutlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.:

Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address:

4659 Huffman Road

Grady, AL 36036

Phone# / Cell#:

34-590-7010

E-mail:

jymalyn.redmond@gmnetwork.com

PDF Results:

yes

no

Fax #:

Client P.O. # E11105

CLIENT:

Hare Wym, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

12/12/12

LAB ID

FIELD ID

DATE Collected

TIME Collected

SAMPLE DESCRIPTION (matrix)

Arsonic

Lead

PAH

ANALYSIS REQUESTED / METHOD

Number of sample containers

1

1

1

1

1

1

1

1

1

1

1

139830

CV0507B

12/12/12

10:11

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139831

CV0109A

12/12/12

9:12

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139832

CV0703A

12/12/12

3:20

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139833

CV0705B

12/12/12

2:46

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139834

CV0507B

12/12/12

10:11

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139835

CV0109A

12/12/12

9:12

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139836

CV0703A

12/12/12

3:20

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139837

CV0705B

12/12/12

2:46

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139838

CV0507B

12/12/12

10:11

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139839

CV0109A

12/12/12

9:12

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

139840

CV0703A

12/12/12

3:20

composite soil

X

X

X

X

X

X

X

X

X

X

X

X

X

X

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 18, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27914 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270D	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00094	0.001	12/14/12	2200	0.001	94%	70-130
Acenaphthylene	0.00090	0.001	12/14/12	2200	0.001	90%	70-130
Anthracene	0.00086	0.001	12/14/12	2200	0.001	86%	70-130
Benzo(a)anthracene	0.00099	0.001	12/14/12	2200	0.001	99%	70-130
Benzo(b)fluoranthene	0.00103	0.0001	12/14/12	2200	0.001	103%	70-130
Benzo(k)fluoranthene	0.00096	0.0001	12/14/12	2200	0.001	96%	70-130
Benzo(ghi)perylene	0.00102	0.0005	12/14/12	2200	0.001	102%	70-130
Benzo(a)pyrene	0.00102	0.0001	12/14/12	2200	0.001	102%	70-130
Chrysene	0.00093	0.0005	12/14/12	2200	0.001	93%	70-130
Dibenzo(ah)anthracene	0.00087	0.001	12/14/12	2200	0.001	87%	70-130
Fluoranthene	0.00095	0.001	12/14/12	2200	0.001	95%	70-130
Fluorene	0.00087	0.001	12/14/12	2200	0.001	87%	70-130
Indeno(1,2,3-cd)pyrene	0.00089	0.001	12/14/12	2200	0.001	89%	70-130
Naphthalene	0.00114	0.001	12/14/12	2200	0.001	114%	70-130
Phenanthrene	0.00087	0.001	12/14/12	2200	0.001	87%	70-130
Pyrene	0.00095	0.0005	12/14/12	2200	0.001	95%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*[Signature]* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

B'ham, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: surhlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.:

Address:

Phone# / Cell#:

E-mail:

PDF Results:

yes no

Fax #:

Jymalyn, redmond@gmcnetwork.com

34-590-7010

Grady, AL 36036

4659 Huffman Road

Jymalyn Redmond/ Goodwyn, Mills, Cawood

Walter Coke

Hare Wynn, Newell, Newton

CLIENT:

PROJECT:

SAMPLES:

Jymalyn Redmond, Ralph Norman

(print)

ANALYSIS REQUESTED / METHOD

DATE DELIVERED:

LAB ID

FIELD ID

DATE

TIME

SAMPLE DESCRIPTION (matrix)

Arsonic

Lead

PAH

Number of sample containers

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

1

Relinquished by:

Signed:

Date

Time

Received in Laboratory by:

12/20

9:25

Signed:

12/20

9:25

Relinquished by:

Signed:

Date

Time

Received by:

12/20

9:25

Signed:

12/20

9:25

Relinquished by:

Signed:

Date

Time

Received by:

12/20

9:25

Signed:

12/20

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Relinquished by:

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Date

Time

Received by:

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Relinquished by:

Signed:

Date

Time

Received by:

12/20

9:25

Signed:

12/20

9:25

Relinquished by:

Signed:

Date

Time

Received by:

12/20

9:25

Signed:

12/20

9:25

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

B'ham, AL 35223

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.:

Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address:

4659 Huffman Road

Grady, AL 36036

Phone# / Cell#:

34-590-7010

E-mail:

[jymalyn.redmond@qmcnetwork.com](mailto:jymalyn.redmond@qmcnetwork.com)

PDF Results:

yes no Fax #:

Client P.O. # EBHM121004

CLIENT:

Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
140018	THS013	12/19/12		composite soil	X	X	X	1
140019	THS014	12/19/12		composite soil	X	X	X	1
140020	THS015	12/19/12		composite soil	X	X	X	1
140021	THS016	12/19/12		composite soil	X	X	X	1
140022	THS017	12/19/12		composite soil	X	X	X	1
140023	THS018	12/19/12		composite soil	X	X	X	1
140024	THS019	12/19/12		composite soil	X	X	X	1
140025	THS020	12/19/12		composite soil	X	X	X	1
Preservative: (a)HCL, (b)HNO <sub>3</sub> , (c)H <sub>2</sub> SO <sub>4</sub> , (d)NaOH, (e)Zn Acetate								
Container type: (a) Amber, (g) Glass, (f) Plastic, (v) VOC Vial, (i) Tedlar bag								
Relinquished by Sampler:								
Signed:		Date	Time	Received by:				
Relinquished by:		Date	Time	Received by:				
Signed:		Date	Time	Received by:				
Relinquished by:		Date	Time	Received in Laboratory by:				
Signed:		Date	Time	Received in Laboratory by:				

Turn Around Time (please note):

\*RUSH mark below

X three day

3 day

Refrigerated upon receipt:

yes no

279106

Invoice # (LAB use only):

*Environmental Company, Inc.*

2515 5th Avenue South

B'HAM, AL 35233

PHONE (205) 581-9500 FAX (205) 581-9504

E-Mail: [suhl@bellsouth.net](mailto:suhl@bellsouth.net)

**SEND REPORT TO:**

Name/Co.: Jy

Address: \_\_\_\_\_

4659 Huffman Road

100

Grady, AL 36036

Phone# / Cell#: \_\_\_\_\_

334-590-7010

E-mail: \_\_\_\_\_

[wn.redmond@qamcnetwork.com](mailto:wn.redmond@qamcnetwork.com)

PDF Results:	yes
--------------	-----

Fax # \_\_\_\_\_

**CLIENT:**  
Hare Wynn, Newell, Newton

PROJECT: Walter Coke

SAMPLER(S):  
Nairimer Betrios-Carrasena/Brittney Brown

DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers			
141893	HP0026A	2/26/13	13:13	composite soil	X	X					1
141894	HP0240B	2/26/13	14:01	composite soil	X	X					1
141895	HP0164B	2/26/13	14:37	composite soil	X	X					1
141896	HP0069B	2/26/13	15:25	composite soil	X	X	X				1
141897	CV0755C	2/26/13	11:01	composite soil	X	X	X				1
141898	CV0754B	2/26/13	10:43	composite soil	X	X					1
141899	CV0956C	2/26/13	10:10	composite soil	X	X					1
141900	CV0835A	2/26/13	9:00	composite soil	X	X					1
141901	FM0225B	2/26/13	9:10	composite soil	X	X					1
141902	CV0045A	2/26/13	10:06	composite soil	X	X					1
141903	CV0047A	2/26/13	11:02	composite soil	X	X					
141904	CV0118A	2/26/13	13:10	composite soil	X	X					

Preservative: (a)HCl, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Container: ICF, g

Turn Around Time (please note):

Standard X \*3 Day \*RUSH mark below

\*2-Day \*Next Day \*Same Day

Revised upon receipt: ☒ no

Invoice # (LAB use only): 28402

8/6/08

Last revised



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28402 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02123	0.001	3/12/13	1537	0.020	106%	70-130
Acenaphthylene	0.02235	0.001	3/12/13	1537	0.020	112%	70-130
Anthracene	0.02395	0.001	3/12/13	1537	0.020	120%	70-130
Benzo(a)anthracene	0.01533	0.001	3/12/13	1537	0.020	77%	70-130
Benzo(b)fluoranthene	0.01855	0.0001	3/12/13	1537	0.020	93%	70-130
Benzo(k)fluoranthene	0.01806	0.0001	3/12/13	1537	0.020	90%	70-130
Benzo(ghi)perylene	0.01760	0.0005	3/12/13	1537	0.020	88%	70-130
Benzo(a)pyrene	0.01802	0.0001	3/12/13	1537	0.020	90%	70-130
Chrysene	0.02036	0.0005	3/12/13	1537	0.020	102%	70-130
Dibenzo(ah)anthracene	0.01775	0.001	3/12/13	1537	0.020	89%	70-130
Fluoranthene	0.01939	0.001	3/12/13	1537	0.020	97%	70-130
Fluorene	0.01669	0.001	3/12/13	1537	0.020	83%	70-130
Indeno(1,2,3-cd)pyrene	0.01745	0.001	3/12/13	1537	0.020	87%	70-130
Naphthalene	0.02271	0.001	3/12/13	1537	0.020	114%	70-130
Phenanthrene	0.02239	0.001	3/12/13	1537	0.020	112%	70-130
Pyrene	0.01944	0.0005	3/12/13	1537	0.020	97%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

*MA* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suttlab@bellsouth.net](mailto:suttlab@bellsouth.net)

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: [jymalyn.redmond@gmnetwork.com](mailto:jymalyn.redmond@gmnetwork.com)

PDF Results: yes no Fax #:

CLIENT: Hare Wynn, Newell, Newton

PROJECT: Walter Coke

SAMPLE(S): Carly Schulz/Brittney Brown

### DATE DELIVERED:

LAB ID: FIELD ID DATE Collected TIME Collected SAMPLE DESCRIPTION (matrix)

Arsenic Lead PAH

### ANALYSIS REQUESTED / METHOD

Number of sample containers

141909	FM0129C	2/27/13	15:20	composite soil	X	X	X												1
141910	CV0740A	2/27/13	14:00	composite soil	X	X	X												1
141911	CV0078C	2/27/13	13:20	composite soil	X	X	X												1
141912	CV0274A	2/27/13	11:09	composite soil	X	X	X												1
141913	CV0491B	2/27/13	10:14	composite soil	X	X	X												1
141914	CV0530A	2/27/13	9:28	composite soil	X	X	X												1
141915	CV0149A	2/27/13	8:45	composite soil	X	X	X												1
141916	CV0568A	2/27/13	9:00	composite soil	X	X	X												1
141917	CV0337B	2/27/13	9:55	composite soil	X	X	X												1
141918	CV0300A	2/27/13	11:00	composite soil	X	X	X												1
141919	CV0379A	2/27/13	11:55	composite soil	X	X	X												1
141920	CV0386B	2/27/13	14:10	composite soil	X	X	X												1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
Container type: (a) Amber, (b) Glass, (c) Plastic, (d) VOC Vial, (e) Tedlar bag Container: 8

Turn Around Time (please note):  
Standard X \*3-Day \*2-Day \*Next Day \*Same Day

Remarks: Page 1 of 2

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

Relinquished by: *[Signature]* Date: 3/7 Time: 4:30 Received by: *[Signature]* Date: 3/7 Time: 4:30

28403

**Environmental Company, Inc.**

**2515 5th Avenue South**

B'HAM, AL 35233

PHONE (205) 581-9500 FAX (205) 581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

# CHAIN OF CUSTODY ANALYSIS REQUEST

**SEND REPORT TO:**

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: [jymalvn.redmond@gmcnetwork.com](mailto:jymalvn.redmond@gmcnetwork.com)

PDF Results:	yes	no	Fax #:

CLIENT: Hare Wynn, Newell, Newton

PROJECT: **Walter Coke**

SAMPLER(S): Carly Schulz/Britney Brown

DATE DELIVERED:

[illegible]

28403

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28403 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02123	0.001	3/12/13	1537	0.020	106%	70-130
Acenaphthylene	0.02235	0.001	3/12/13	1537	0.020	112%	70-130
Anthracene	0.02395	0.001	3/12/13	1537	0.020	120%	70-130
Benzo(a)anthracene	0.01533	0.001	3/12/13	1537	0.020	77%	70-130
Benzo(b)fluoranthene	0.01855	0.0001	3/12/13	1537	0.020	93%	70-130
Benzo(k)fluoranthene	0.01806	0.0001	3/12/13	1537	0.020	90%	70-130
Benzo(ghi)perylene	0.01760	0.0005	3/12/13	1537	0.020	88%	70-130
Benzo(a)pyrene	0.01802	0.0001	3/12/13	1537	0.020	90%	70-130
Chrysene	0.02036	0.0005	3/12/13	1537	0.020	102%	70-130
Dibenzo(ah)anthracene	0.01775	0.001	3/12/13	1537	0.020	89%	70-130
Fluoranthene	0.01939	0.001	3/12/13	1537	0.020	97%	70-130
Fluorene	0.01669	0.001	3/12/13	1537	0.020	83%	70-130
Indeno(1,2,3-cd)pyrene	0.01745	0.001	3/12/13	1537	0.020	87%	70-130
Naphthalene	0.02271	0.001	3/12/13	1537	0.020	114%	70-130
Phenanthrene	0.02239	0.001	3/12/13	1537	0.020	112%	70-130
Pyrene	0.01944	0.0005	3/12/13	1537	0.020	97%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MH* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client: Goodwyn, Mills & Cawood	Report Date: March 26, 2013
Attention: Ms. Jymalyn Redmond	Reference # 28403 QC
Address: 4659 Huffman Rd.	P.O. # E11105
Grady, AL 36036	Project ID: Walter Coke

QC Matrix: water	Analytical
Date Received: 3/7/13	Analyst: Kevin Doriety
Date Collected: 2/27/13	Date Analysis: 3/22/13
Sample Collector: C.S./ B.B.	Method: EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	141918MS	Recovery %		Conc.	Recovery
Arsenic	BDL	0.259	91%	0.204	0.200	102%

QC Matrix: water	Analytical
Date Received: 3/7/13	Analyst: Kevin Doriety
Date Collected: 2/27/13	Date Analysis: 3/25/13
Sample Collector: C.S./ B.B.	Method: EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	141928MS	Recovery %		Conc.	Recovery
Arsenic	BDL	0.299	95%	0.194	0.200	97%

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28403 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/27/13	Date Analysis:	3/25/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141918MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.165	NA*	0.197	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/27/13	Date Analysis:	3/25/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141928MS	Recovery %		Conc.	Recovery	
Lead	0.009	0.105	NA*	0.198	0.200	99%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BTHAM, AL 35233

PHONE: (205)581-9500 FAX: (205)581-9504

E-Mail: suthlab@bellsouth.net

CHAIN OF CUSTODY  
ANALYSIS REQUEST

SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 334-590-7010

E-mail: jymalyn.redmond@gmnetnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Carly Schulz/Brittney Brown

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID FIELD ID DATE TIME SAMPLE DESCRIPTION (matrix)

Arsenic

Lead

PAH

Number of sample containers

141923 CV0944A 2/28/13 11:40 composite soil

X

X

1

141924 ~~CV0944A~~ 2/28/13 10:35 composite soil

X

X

CV 0402 B

WC

3/8/13

1

141925 CV0231A 2/28/13 9:50 composite soil

X

X

2/27/13

15:30

1

141927 CV0724A 2/28/13 13:55 composite soil

X

X

1

141928 HP0330A 2/28/13 10:45 composite soil

X

X

1

141929 HP0008B 2/28/13 10:15 composite soil

X

X

X

1

141930 HP0329C 2/28/13 9:30 composite soil

X

X

1

— — — — —

1

— — — — —

1

— — — — —

1

— — — — —

1

— — — — —

1

— — — — —

1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (i) Tedlar bag

Preservative: ICE

g

Last revised 8/6/08

Relinquished by Sampler:

Date Time

Signed:

Received by:

Date Time

Signed:

Date Time

Turn Around Time (please note):

Standard X

\*1-Day

\*2-Day

\*Next Day

\*Same Day

\*RUSH, mark below

Relinquished by:

Date Time

Signed:

Received by:

Date Time

Signed:

Date Time

Remarks:

SAMPLE CHANGED OUT - WCT

Relinquished by:

Date Time

Signed:

Received in Laboratory by:

Date Time

Signed:

Date Time

Interpreted upon receipt: (yes) no

Invoice # (LAB use only):

28404

Signed:

Date Time

Signed:

Received in Laboratory by:

Date Time

Signed:

Date Time

Interpreted upon receipt: (yes) no

Invoice # (LAB use only):

28404

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 1, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28404 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02123	0.001	3/12/13	1537	0.020	106%	70-130
Acenaphthylene	0.02235	0.001	3/12/13	1537	0.020	112%	70-130
Anthracene	0.02395	0.001	3/12/13	1537	0.020	120%	70-130
Benzo(a)anthracene	0.01533	0.001	3/12/13	1537	0.020	77%	70-130
Benzo(b)fluoranthene	0.01855	0.0001	3/12/13	1537	0.020	93%	70-130
Benzo(k)fluoranthene	0.01806	0.0001	3/12/13	1537	0.020	90%	70-130
Benzo(ghi)perylene	0.01760	0.0005	3/12/13	1537	0.020	88%	70-130
Benzo(a)pyrene	0.01802	0.0001	3/12/13	1537	0.020	90%	70-130
Chrysene	0.02036	0.0005	3/12/13	1537	0.020	102%	70-130
Dibenzo(ah)anthracene	0.01775	0.001	3/12/13	1537	0.020	89%	70-130
Fluoranthene	0.01939	0.001	3/12/13	1537	0.020	97%	70-130
Fluorene	0.01669	0.001	3/12/13	1537	0.020	83%	70-130
Indeno(1,2,3-cd)pyrene	0.01745	0.001	3/12/13	1537	0.020	87%	70-130
Naphthalene	0.02271	0.001	3/12/13	1537	0.020	114%	70-130
Phenanthrene	0.02239	0.001	3/12/13	1537	0.020	112%	70-130
Pyrene	0.01944	0.0005	3/12/13	1537	0.020	97%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MA* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 1, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28404 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/28/13	Date Analysis:	3/25/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141928MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.299	95%	0.194	0.200	97%	

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/28/13	Date Analysis:	3/28/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141983MS	Recovery %		Conc.	Recovery	
Arsenic	0.026	0.232	81%	0.221	0.200	111%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 1, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28404 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/28/13	Date Analysis:	3/25/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		141928MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141928MS	Recovery %	IPC	Conc.	Recovery	
Lead	0.009	0.105	NA*	0.198	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/28/13	Date Analysis:	4/1/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		141983MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141983MS	Recovery %	IPC	Conc.	Recovery	
Lead	BDL	0.082	NA*	0.203	0.200	102%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MA* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

B'HAM, AL 35223

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.: Jymalyn Redmond/Goodywn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@amcnetwork.com

PDF Results: yes no Fax #:

CLIENT: Hare Wynn, Newell, Newton

PROJECT: Walter Coke

SAMPLER(S): Cory Troiano, Redmond

**DATE DELIVERED:**

**ANALYSIS REQUESTED / METHOD**

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
141970	HP0068A	3/4/13	14:21	composite soil	X	X		1
141977	HP0097A	3/4/13	15:17	composite soil	X	X		1
141978	HP0313A	3/4/13	13:31	composite soil	X	X	X	1
141979	CV0333B	3/4/13	11:40	composite soil	X	X		1
141980	CV0193A	3/4/13	13:38	composite soil	X	X		1
141981	CV0079A	3/4/13	9:50	composite soil	X	X		1
141982	CV0793A	3/4/13	10:35	composite soil	X	X	X	1
141983	CV0588B	3/5/13	9:05	composite soil	X	X		1
141984	CV0632A	3/5/13	15:39	composite soil	X	X		1
141985	CV0552A	3/5/13	9:55	composite soil	X	X		1
141986	CV0399B	3/5/13	10:40	composite soil	X	X		1
141987	CV0277B	3/5/13	14:56	composite soil	X	X		1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Relinquished by Sampler:

Signed:

3/8/13 14:55

Relinquished by:

Signed:

3/8/13

Relinquished by:

Signed:

3/8/13

Received In Laboratory by:

Signed: Jymalyn Redmond

3/8/13 2:45

Date

Time

3/8/13 2:45

Refrigerated upon receipt:

yes no

28410

10f2

28410

28410

Remarks:

\*3-Day \*2-Day \*Next Day \*Same Day

\*RUSH, mark below

Turn Around Time (Please note):

Standard

Standard

8/6/08

E-Mail: [suhl@bell-south.net](mailto:suhl@bell-south.net)

CLIENT:		PROJECT:		Walter Coke		SAMPLERS(S):		Cory Troiano, Redmond	
Hare Wynn, Newell, Newton						(print)			
DATE DELIVERED:						ANALYSIS REQUESTED / METHOD			
LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers	
141988	CV0339B	3/5/13	12:54	composite soil	X	X		1	
141989	CV00341B	3/5/13	13:15	composite soil	X	X		1	
141990	CV0628A	3/6/13	8:25	composite soil	X	X	X	1	
141991	CV0713B	3/6/13	9:11	composite soil	X	X		1	
141992	CV0144B	3/6/13	9:52	composite soil	X	X		1	
141993	FM0116A	3/6/13	10:37	composite soil	X	X	X	1	
141994	CV0683C	3/6/13	12:27	composite soil	X	X		1	
141995	CV0683a	3/6/13	12:11	composite soil	X	X		1	
141996	CV0684C	3/6/13	13:01	composite soil	X	X	X	1	
Preservative: (a) HCL, (b) HNO <sub>3</sub> , (c) H <sub>2</sub> SO <sub>4</sub> , (d) NaOH, (e) Zn Acetate Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag Signed: _____					Preservative: Container:  Last revised 8/6/08				
Relinquished by: _____ Signed: _____					Date	Time	Turn Around Time (please note): Standard *RUSH, mark below		
Relinquished by: _____ Signed: _____					Date	Time	Remarks: *1-Day *2-Day *Next Day *Same Day		
Relinquished by: _____ Signed: _____					Date	Time	Relinquished upon receipt: (initials) no Invoice # (LAB use only)		
Relinquished by: _____ Signed: _____					Date	Time	20f2 28416		



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02123	0.001	3/12/13	1537	0.020	106%	70-130
Acenaphthylene	0.02235	0.001	3/12/13	1537	0.020	112%	70-130
Anthracene	0.02395	0.001	3/12/13	1537	0.020	120%	70-130
Benzo(a)anthracene	0.01533	0.001	3/12/13	1537	0.020	77%	70-130
Benzo(b)fluoranthene	0.01855	0.0001	3/12/13	1537	0.020	93%	70-130
Benzo(k)fluoranthene	0.01806	0.0001	3/12/13	1537	0.020	90%	70-130
Benzo(ghi)perylene	0.01760	0.0005	3/12/13	1537	0.020	88%	70-130
Benzo(a)pyrene	0.01802	0.0001	3/12/13	1537	0.020	90%	70-130
Chrysene	0.02036	0.0005	3/12/13	1537	0.020	102%	70-130
Dibenzo(ah)anthracene	0.01775	0.001	3/12/13	1537	0.020	89%	70-130
Fluoranthene	0.01939	0.001	3/12/13	1537	0.020	97%	70-130
Fluorene	0.01669	0.001	3/12/13	1537	0.020	83%	70-130
Indeno(1,2,3-cd)pyrene	0.01745	0.001	3/12/13	1537	0.020	87%	70-130
Naphthalene	0.02271	0.001	3/12/13	1537	0.020	114%	70-130
Phenanthrene	0.02239	0.001	3/12/13	1537	0.020	112%	70-130
Pyrene	0.01944	0.0005	3/12/13	1537	0.020	97%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MH* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/4-6/13	Date Analysis:	3/28/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		141983MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141983MS	Recovery %		Conc.	Recovery	
Arsenic	0.026	0.232	81%	0.221	0.200	111%	

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/4-6/13	Date Analysis:	3/28/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		141993MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141993MS	Recovery %		Conc.	Recovery	
Arsenic	0.001	0.410	77%	0.209	0.200	105%	

IPC = Instrument Performance Check  
 NA = Not Available  
 BDL = Below Detection Limit  
 MS = Matrix Spike  
 Detection Limit is Method Detection Limit  
 All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/4-6/13	Date Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142003MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142003MS	Recovery %		Conc.	Recovery	
Arsenic	0.003	0.285	80%	0.205	0.200	103%	
QC Matrix: water Analytical							
Date Received:		3/8/13		Analyst:		Kevin Doriety	
Date Collected:		3/4-6/13		Date Analysis:		4/1/13	
Sample Collector:		C.T./J.R.		Method:		EPA Method 6010B	

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		141983MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141983MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.082	NA*	0.203	0.200	102%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/4-6/13	Date Analysis:	4/1/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		141993MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	141993MS	Recovery %		Conc.	Recovery	
Lead	0.002	0.144	NA*	0.197	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/4-6/13	Date Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142003MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142003MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.243	NA*	0.196	0.200	98%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*M&H* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

**Sutherland**

*Environmental Company, Inc.*

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suttlab@bellsouth.net](mailto:suttlab@bellsouth.net)

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@amcnetwork.com

PDF Results: ☐ yes ☐ no Fax #: \_\_\_\_\_

Client P.O. # E11105

**CLIENT:**

Hare Wynn, Newell, Newton

**PROJECT:**

Walter Coke

**SAMPLE(S):**

Cory Troiano, Redmond

**DATE DELIVERED:**

**ANALYSIS REQUESTED / METHOD**

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
141997	CV0888A	1/16/13	10:38	composite soil	X	X		1
141998	CV0739C	1/16/13	9:50	composite soil	X	X		1
141009	CV0548A	1/15/13	11:05	composite soil	X	X		1
142000	CV0493A	1/16/13	4:03	composite soil	X	X		1
142001	CV0334A	1/15/13	2:20	composite soil	X	X		1
142002	CV0179B	1/15/13	10:00	composite soil	X	X		1
142003	CV0106A	1/15/13	9:22	composite soil	X	X		1
142004	CV0819B	1/15/13	4:01	composite soil	X	X		1
142005	FM0012A	1/16/13	1:15	composite soil	X	X		1
142006	FM0014B	1/16/13	2:22	composite soil	X	X		1
142007	FM0281B	1/16/13	3:16	composite soil	X	X		1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Preservative:

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Container:

Relinquished by Sampler:

Date 3/8 Time 12:45

Signed: Walter Newell

Turn Around Time (please note):

Standard

\*RUSH, mark below

3-1 Day

\*2 Day

\*Next Day

\*Same Day

Relinquished by:

Date \_\_\_\_\_ Time \_\_\_\_\_

Signed: \_\_\_\_\_

Remarks:

1042

Refrigerated upon receipt: ☒ yes ☐ no

Invoice # (LAB use only): 28417

Relinquished by:

Date \_\_\_\_\_ Time \_\_\_\_\_

Signed: \_\_\_\_\_

Remarks:

1042

Refrigerated upon receipt: ☒ yes ☐ no

Invoice # (LAB use only): 28417

Relinquished by:

Date \_\_\_\_\_ Time \_\_\_\_\_

Signed: \_\_\_\_\_

Remarks:

1042

Refrigerated upon receipt: ☒ yes ☐ no

Invoice # (LAB use only): 28417

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28417 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	1/10-16/13	Date Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142003MS	Recovery %		Conc.	Recovery
Arsenic	0.003	0.285	80%	0.205	0.200	103%

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	1/10-16/13	Date Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142013MS	Recovery %		Conc.	Recovery
Arsenic	BDL	0.279	89%	0.208	0.200	104%

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28417 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	1/10-16/13	Date Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142003MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142003MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.243	NA*	0.196	0.200	98%	

QC Matrix:	water	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	1/10-16/13	Date Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142013MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142013MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.163	NA*	0.198	0.200	99%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

BIHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

SEND REPORT TO:

Name/Co.:

Address:

Jymalyn Redmond  
4659 Huffman Road Grady, AL 36036

28447

Phone# / Cell#: 334-562-9195 or 590-7010

E-mail: [jymalyn.redmond@gimcnetwork.com](mailto:jymalyn.redmond@gimcnetwork.com)

PDF Results: yes no Fax #:

CLIENT: Hare, Wynn, Newell,  
Newton

PROJECT: Walter Coke, Inc

SAMPLER(S): N. Betrios, Ryan Stubbs  
(print)

**DATE DELIVERED:**

**ANALYSIS REQUESTED / METHOD**

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	PAH's	Lead	Number of sample containers			
142151	CV0614B	3/12/13	8:55	composite soil	X	X	X	1			
142152	CV0150B	3/12/13	9:47	composite soil	X	X	X	1			
142153	CV0169B	3/12/13	10:22	composite soil	X		X	1			
142154	CV0227A	3/12/13	10:45	composite soil	X		X	1			
142155	HP0021B	3/12/13	13:07	composite soil	X	X	X	1			
142156	HP0047A	3/12/13	13:40	composite soil	X		X	1			
142157	CV0578B	3/12/13	14:51	composite soil	X		X	1			
142158	CV0579B	3/12/13	15:16	composite soil	X		X	1			
142159	CV0200A	3/14/13	9:01	composite soil	X		X	1			
142160	CV0843A	3/14/13	10:03	composite soil	X	X	X	1			
142161	CV0826A	3/14/13	10:40	composite soil	X		X	1			
142162	CV1151A	3/14/13	11:19	composite soil	X		X	1			
Preservative: (a) HCL, (b) HNO <sub>3</sub> , (c) H <sub>2</sub> SO <sub>4</sub> , (d) NaOH, (e) Zn Acetate					Ice						
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (y) Tedlar bag					Container:						
Relinquished by Sampler: <i>[Signature]</i>					Date	Time	Turn Around Time (please note):				
Signed: <i>[Signature]</i>					3/15/13	4:02	Standard X *RUSH, mark below				
Relinquished by: <i>[Signature]</i>					Date	Time	Remarks:				
Signed:							*3-Day *2 Day *Next Day *Same Day				
Relinquished by:					Date	Time	Refrigerated upon receipt: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no				
Signed:					3/15/13	4:02	Invoice # (LAB use only) 28447				

**Environmental Company, Inc.**

2515 5th Avenue South

B'HAM, AL 35233

**PHONE (205) 581-9500 FAX (205) 581-9504**

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

**SEND REPORT TO:**

Name/Co.:

Address:

Jymalyn Redmond  
4659 Huffman Road Grady, AL 36036

28447

Phone# / Cell#:

334-562-9195 or 590-7010

**E-mail:**

lymalyn.redmond@gmcnetwork.com

**PDF Results:**

Fax #: \_\_\_\_\_

CLIENT:		Hare, Wynn, Newell, Newton		PROJECT:		Walter Coke, Inc		SAMPLER(S):		N. Berrios, Ryan Stubbs																																																																									
								(print)																																																																											
DATE DELIVERED:																																																																																			
ANALYSIS REQUESTED / METHOD																																																																																			
LAB ID				FIELD ID				DATE				TIME				SAMPLE DESCRIPTION (matrix)				Arsenic				PAH's				Lead				Number of sample containers																																																			
1421U3				CV0353A				3/14/13				12:38				composite soil				X				X				1																																																							
1421U4				CV0865B				3/14/13				13:22				composite soil				X				X				1																																																							
1421U5				CV0770B				3/14/13				14:00				composite soil				X				X				1																																																							
1421U6				CV0766A				3/14/13				14:21				composite soil				X				X				1																																																							
1421U7				CV0968B				3/14/13				15:31				composite soil				X				X				1																																																							
1421U8				CV0292A				3/15/13				8:30				composite soil				X				X				1																																																							
—				—				—				—				composite soil				X				X				1																																																							
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—				—				—				—				composite soil				X				X				1																																																							
Preservative: (a)HCL, (b)HNO <sub>3</sub> , (c)H <sub>2</sub> SO <sub>4</sub> , (d)NaOH, (e)Zn Acetate												Container: Ice												Last revised 8/6/08																																																											
Container type: (a) Amber, (p) Plastic, (y) VOC Vial, (t) Tredlar bag												Container:																																																																							
Relinquished by:				Signed:				Date				Time				Received by:				Signed:				Date				Time				Turn Around Time (please note):																																																			
Relinquished by:				Signed:				Date				Time				Received by:				Signed:				Date				Time				Standard																																																			
Relinquished by:				Signed:				Date				Time				Received by:				Signed:				Date				Time				*3-Day																																																			
Relinquished by:				Signed:				Date				Time				Received by:				Signed:				Date				Time				*2-Day																																																			
Relinquished by:				Signed:				Date				Time				Received by:				Signed:				Date				Time				*Next Day																																																			
Relinquished by:				Signed:				Date				Time				Received by:				Signed:				Date				Time				*Same Day																																																			
Relinquished by:												Received in Laboratory by:												Date												Time												Refrigerated upon receipt:												yes												no											
Signed:												Signed:												Date												Time												Invoice # (LAB use only):												28447																							

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28447 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Accnaphthene	0.00812	0.001	3/26/13	1529	0.010	81%	70-130
Acenaphthylene	0.00861	0.001	3/26/13	1529	0.010	86%	70-130
Anthracene	0.00927	0.001	3/26/13	1529	0.010	93%	70-130
Benzo(a)anthracene	0.00757	0.001	3/26/13	1529	0.010	76%	70-130
Benzo(b)fluoranthene	0.00847	0.0001	3/26/13	1529	0.010	85%	70-130
Benzo(k)fluoranthene	0.01081	0.0001	3/26/13	1529	0.010	108%	70-130
Benzo(ghi)perylene	0.00858	0.0005	3/26/13	1529	0.010	86%	70-130
Benzo(a)pyrene	0.01007	0.0001	3/26/13	1529	0.010	101%	70-130
Chrysene	0.00945	0.0005	3/26/13	1529	0.010	95%	70-130
Dibenzo(ah)anthracene	0.00825	0.001	3/26/13	1529	0.010	83%	70-130
Fluoranthene	0.00821	0.001	3/26/13	1529	0.010	82%	70-130
Fluorene	0.00836	0.001	3/26/13	1529	0.010	84%	70-130
Indeno(1,2,3-cd)pyrene	0.00840	0.001	3/26/13	1529	0.010	84%	70-130
Naphthalene	0.01166	0.001	3/26/13	1529	0.010	117%	70-130
Phenanthrene	0.00987	0.001	3/26/13	1529	0.010	99%	70-130
Pyrene	0.00879	0.0005	3/26/13	1529	0.010	88%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*hdx* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28447 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Date Received:	3/15/13	Analyst:	Kevin Doriety
Date Collected:	3/12-15/13	Date Analysis:	4/9/13
Sample Collector:	N. Berrios/ R. Stubbs	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142160MS	Recovery %		Conc.	Recovery
Arsenic	0.003	0.343	110%	0.196	0.200	98%

QC Matrix:	water	Analytical	
Date Received:	3/15/13	Analyst:	Kevin Doriety
Date Collected:	3/12-15/13	Date Analysis:	4/9/13
Sample Collector:	N. Berrios/ R. Stubbs	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142168MS	Recovery %		Conc.	Recovery
Arsenic	0.008	0.247	92%	0.205	0.200	103%

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28447 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Date Received:	3/15/13	Analyst:	Kevin Doriety
Date Collected:	3/12-15/13	Date Analysis:	4/8/13
Sample Collector:	N. Berrios/ R. Stubbs	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142160MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC-%	
as Total	Blank	142160MS	Recovery %		Conc.	Recovery	
Lead	0.006	NA*	NA*	0.204	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	3/15/13	Analyst:	Kevin Doriety
Date Collected:	3/12-15/13	Date Analysis:	4/9/13
Sample Collector:	N. Berrios/ R. Stubbs	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142168MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142168MS	Recovery %		Conc.	Recovery	
Lead	0.001	NA*	NA*	0.194	0.200	97%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*hxs* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BIHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sudtlab@bellsouth.net

CHAIN OF CUSTODY  
ANALYSIS REQUEST

SEND REPORT TO:

#28474

Name/Co.:

Jymalyn Redmond

Address:

4659 Huffman Road Grady, AL 36036

Phone# / Cell#:

334-562-9195 or 590-7010

E-mail:

jymalyn.redmond@gmnetwork.com

PDF Results:

yes no Fax #:

CLIENT: Hare, Wynn, Newell,

Newton

PROJECT:

Walter Coke, Inc

SAMPLE(S):

(print)

N. Berrios, Ryan Stubbs

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID FIELD ID DATE TIME SAMPLE DESCRIPTION (matrix)

Arsenic

PAH's

Lead

Number of sample containers

142274 CV0876A 3/20/13 13:30 composite soil X X X 1

142275 CV0833B 3/20/13 13:15 composite soil X X X 1

142276 CV0763A 3/20/13 14:01 composite soil X X X 1

142277 FM0168A 3/20/13 14:47 composite soil X X X 1

142278 CV0368B 3/21/13 8:32 composite soil X X X 1

142279 FM0312C 3/21/13 9:51 Grab X X X 1

142280 CV0092A 3/21/13 10:46 composite soil X X X 1

142281 CV0090B 3/21/13 11:35 composite soil X X X 1

142282 CV0663B 3/21/13 13:20 composite soil X X X 1

142283 FM0017A 3/21/13 13:55 composite soil X X X 1

142284 FM0017D 3/21/13 14:10 Grab X X X 1

142285 CV0443B 3/21/13 14:59 composite soil X X X 1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container:

Container type: (a) Amber, (b) Glass, (c) Plastic, (d) VOC Vial, (e) Tedlar bag

Ice

Last revised 8/6/08

Relinquished by Sampler:

Date Time

Signed:

Received by:

Date Time

Turn Around Time (please note):

Signed:

Date Time

Signed:

Received by:

Date Time

Standard X

Relinquished by:

Date Time

Signed:

Received by:

Date Time

PAGE 1 OF 2

Relinquished by:

Date Time

Signed:

Received by:

Date Time

Refrigerated upon receipt: (Yes/No)

Signed:

Date Time

Signed:

Received by:

Date Time

Invoice # (LAB use only)

Signed:

Date Time

Signed:

Received by:

Date Time

28474

**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

BIHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suhlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.:

Address:

Jymalyn Redmond  
4659 Huffman Road Grady, AL 36036

# 28474

Phone# / Cell#: 334-562-9195 or 590-7010

E-mail: jymalyn.redmond@qamnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare, Wynn, Newell,  
Newton

PROJECT: Walter Coke, Inc

SAMPLER(S): N. Berrios,  
(print)

**DATE DELIVERED:**

**ANALYSIS REQUESTED / METHOD**

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)
--------	----------	----------------	----------------	-----------------------------

Arsenic	PAH's	Lead					Number of sample containers
---------	-------	------	--	--	--	--	-----------------------------

142286	CV0476A	3/21/13	15:35	composite soil	X		X						1
142287	CV0566B	3/21/13	16:10	composite soil	X		X						1
142288	HP0084A	3/22/13	8:05	composite soil	X		X						1
142289	HP0084C	3/22/13	8:08	Grab	X		X						1
142290	CV0664A	3/22/13	8:56	composite soil	X		X						1

				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Preservative: Ice

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Container:

Relinquished by: *[Signature]*

Date: 3/21/13 Time: 3:28

Received by: *[Signature]*

Date: Time:

Turn Around Time (please note):

Standard X \*RUSH, mark below

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

\*1-Day \*2-Day \*Next Day \*Same Day

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Invoice # (LAB use only): 28474

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

Relinquished by: *[Signature]*

Date: Time:

Received by: *[Signature]*

Date: Time:

Refrigerated upon receipt: *[Signature]* no

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 16, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28474 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc.

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01105	0.001	3/27/13	1026	0.010	111%	70-130
Acenaphthylene	0.01041	0.001	3/27/13	1026	0.010	104%	70-130
Anthracene	0.01145	0.001	3/27/13	1026	0.010	115%	70-130
Benzo(a)anthracene	0.00976	0.001	3/27/13	1026	0.010	98%	70-130
Benzo(b)fluoranthene	0.00850	0.0001	3/27/13	1026	0.010	85%	70-130
Benzo(k)fluoranthene	0.00839	0.0001	3/27/13	1026	0.010	84%	70-130
Benzo(ghi)perylene	0.00865	0.0005	3/27/13	1026	0.010	87%	70-130
Benzo(a)pyrene	0.00823	0.0001	3/27/13	1026	0.010	82%	70-130
Chrysene	0.00908	0.0005	3/27/13	1026	0.010	91%	70-130
Dibenzo(ah)anthracene	0.00886	0.001	3/27/13	1026	0.010	89%	70-130
Fluoranthene	0.00876	0.001	3/27/13	1026	0.010	88%	70-130
Fluorene	0.00996	0.001	3/27/13	1026	0.010	100%	70-130
Indeno(1,2,3-cd)pyrene	0.00903	0.001	3/27/13	1026	0.010	90%	70-130
Naphthalene	0.01020	0.001	3/27/13	1026	0.010	102%	70-130
Phenanthrene	0.01063	0.001	3/27/13	1026	0.010	106%	70-130
Pyrene	0.00911	0.0005	3/27/13	1026	0.010	91%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MX* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 16, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28474 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/22/13	Analyst:	Kevin Doriety
Date Collected:	3/20-22/13	Date Analysis:	4/15/13
Sample Collector:	N.B. / R.S.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142283MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142283MS	Recovery %		Conc.	Recovery	
Arsenic	0.012	0.341	86%	0.184	0.200	92%	

QC Matrix:	water	Analytical	
Date Received:	3/22/13	Analyst:	Kevin Doriety
Date Collected:	3/20-22/13	Date Analysis:	4/15/13
Sample Collector:	N.B. / R.S.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		142290MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142290MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.330	95%	0.200	0.200	100%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 16, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28474 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	3/22/13	Analyst:	Kevin Doriety
Date Collected:	3/20-22/13	Date Analysis:	4/16/13
Sample Collector:	N.B. / R.S.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
	LAB ID		142283MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142283MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.175	NA*	0.192	0.200	96%	

QC Matrix:	water	Analytical	
Date Received:	3/22/13	Analyst:	Kevin Doriety
Date Collected:	3/20-22/13	Date Analysis:	4/16/13
Sample Collector:	N.B. / R.S.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
	LAB ID		142290MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142290MS	Recovery %		Conc.	Recovery	
Lead	0.002	0.100	NA*	0.192	0.200	96%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MKT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

***Environmental Company, Inc.***

2515 5th Avenue South

B'HAM, AL 35233

PHONE (205) 581-9500 FAX (205) 581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

**SEND REPORT TO:**

Name/Co.:

**Address:**

Phone# / Cell#:

E-mail:

**PDF Results:**

Fax #:

Walter Coke

**SAMPLER(S):**

2.

Ryan Stubbs/Cory Troiano

DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH						Number of sample containers
I42570	FM0128B	4/1/13	13:30	composite soil	X	X							1
I42571	CV0501B	4/1/13	14:00	composite soil	X	X	X						1
I42572	CV0116B	4/1/13	14:40	composite soil	X	X							1
I42573	HP0257A	4/2/13	8:55	composite soil	X	X							1
I42574	HP0176A	4/2/13	10:00	composite soil	X	X							1
I42575	HP0167B	4/2/13	12:45	composite soil	X	X	X						1
I42576	CV0954B	4/2/13	13:59	composite soil	X	X							1
I42577	CV0497A	4/3/13	8:52	composite soil	X	X							1
I42578	CV0496A	4/3/13	9:40	composite soil	X	X							1
I42579	CV1311A	4/3/13	10:25	composite soil	X	X							1
I42580	CV1254A	4/3/13	12:45	composite soil	X	X							1
I42581	CV1254C	4/3/13	13:05	GRAB DITCH	X	X	X						1

Preservative: (a) HCL, (b) HNO <sub>3</sub> , (c) H <sub>2</sub> SO <sub>4</sub> , (d) NaOH, (e) Zn Acetate													
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag													
Preservative:													
Ice													
g													
Date	Time	Date	Time	Date	Time	Date	Time	Date	Time	Date	Time	Date	Time
Turn Around Time (please note):													
Standard													
Remarks:													
*3-Day      *2-Day      *RUSH, mark below*      *Next Day      *Same Day													
Refrigerated upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
Invoice # (LAB use only): 28553													

Reinquished by:	Signed: <i>M. A. Smith</i>	Date	Time	Received by:	Date	Time
		4/5/13	12:00			
Signed:		Date	Time	Received by:	Date	Time
Reinquished by:		Date	Time	Received in Laboratory by:	Date	Time
				Signed: <i>John M. McMillan</i>	4/5/13	12:00

**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

BIHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [sutlab@bellsouth.net](mailto:sutlab@bellsouth.net)

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 334-590-7010

E-mail: [jymalyn.redmond@gmnetwork.com](mailto:jymalyn.redmond@gmnetwork.com)

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLER(S):

Ryan Stubbs/Cory Troiano

DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)
--------	----------	----------------	----------------	-----------------------------

142682 CV0741B 4/3/13 14:00 composite soil

142583 CV0741C 4/3/213 14:05 GRAB DITCH

Arsenic	Lead	PAH	ANALYSIS REQUESTED / METHOD	Number of sample containers
---------	------	-----	-----------------------------	-----------------------------

X X X 1

X X X 1

X X X 1

X X X 1

X X X 1

X X X 1

X X X 1

X X X 1

X X X 1

X X X 1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
Container type: (a) Amber, (b) Glass, (c) Plastic, (d) VOC Vial, (e) Tedlar bag  
Relinquished by: *[Signature]* Date: 4/5/13 Time: 12:00  
Received by: *[Signature]* Date: 4/5/13 Time: 12:00  
Relinquished by: *[Signature]* Date: 4/5/13 Time: 12:00  
Received by: *[Signature]* Date: 4/5/13 Time: 12:00  
Relinquished by: *[Signature]* Date: 4/5/13 Time: 12:00  
Received by: *[Signature]* Date: 4/5/13 Time: 12:00

Ice g  
Turn Around Time (please note):  
Standard  
\*1-Day \*2-Day \*Next Day \*Same Day  
Remarks:  
Reference and invoice receipt: *[Signature]* Invoice # (LAB use only): 28553

28553

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28553 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00907	0.001	4/11/13	1143	0.010	91%	70-130
Acenaphthylene	0.00936	0.001	4/11/13	1143	0.010	94%	70-130
Anthracene	0.01078	0.001	4/11/13	1143	0.010	108%	70-130
Benzo(a)anthracene	0.00978	0.001	4/11/13	1143	0.010	98%	70-130
Benzo(b)fluoranthene	0.00815	0.0001	4/11/13	1143	0.010	82%	70-130
Benzo(k)fluoranthene	0.00882	0.0001	4/11/13	1143	0.010	88%	70-130
Benzo(ghi)perylene	0.00835	0.0005	4/11/13	1143	0.010	84%	70-130
Benzo(a)pyrene	0.00863	0.0001	4/11/13	1143	0.010	86%	70-130
Chrysene	0.00910	0.0005	4/11/13	1143	0.010	91%	70-130
Dibenzo(ah)anthracene	0.00837	0.001	4/11/13	1143	0.010	84%	70-130
Fluoranthene	0.00849	0.001	4/11/13	1143	0.010	85%	70-130
Fluorene	0.00845	0.001	4/11/13	1143	0.010	85%	70-130
Indeno(1,2,3-cd)pyrene	0.00808	0.001	4/11/13	1143	0.010	81%	70-130
Naphthalene	0.01044	0.001	4/11/13	1143	0.010	104%	70-130
Phenanthrene	0.01018	0.001	4/11/13	1143	0.010	102%	70-130
Pyrene	0.00885	0.0005	4/11/13	1143	0.010	89%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*hds* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28553 QC
Address:	4659 Huffinan Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/5/13	Analyst:	Kevin Doriety
Date Collected:	4/1-3/13	Date Analysis:	4/29/13
Sample Collector:	R. Stubbs/ C. Troiano	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
			142579MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142579MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.309	92%	0.175	0.200	88%	

QC Matrix:	water	Analytical	
Date Received:	4/5/13	Analyst:	Kevin Doriety
Date Collected:	4/1-3/13	Date Analysis:	4/29/13
Sample Collector:	R. Stubbs/ C. Troiano	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
			143203MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143203MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.254	92%	0.229	0.200	115%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28553 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/5/13	Analyst:	Kevin Doriety
Date Collected:	4/1-3/13	Date Analysis:	4/29/13
Sample Collector:	R. Stubbs/ C. Troiano	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142579MS	Recovery %		Conc.	Recovery
Lead	BDL	0.218	NA*	0.205	0.200	103%

QC Matrix:	water	Analytical	
Date Received:	4/5/13	Analyst:	Kevin Doriety
Date Collected:	4/1-3/13	Date Analysis:	4/29/13
Sample Collector:	R. Stubbs/ C. Troiano	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	143203MS	Recovery %		Conc.	Recovery
Lead	BDL	0.054	NA*	0.196	0.200	98%

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*hds* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

***Environmental Company, Inc.***

B'HAM, AL 35233

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

**SEND REPORT TO:**

**Jymalyn Redmond**

4659 Huffman Road Grady, AL 36036

28098

**Phone# / Cell#:** 334-562-9195 or 590-7010

E-mail: [jymalyn.redmond@comcast.net](mailto:jymalyn.redmond@comcast.net)

PDF Results:	yes	no	Fax #:

PROJECT.

Walter Coke, Inc

SAMPLER(S):  
(print)

Jerry Partap/Renea Anglin

DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	PAH's	Lead	Number of sample containers			
1A2824	CV0637A	4/8/13	15:30	composite soil	X		X				1
1A2825	CV0637C	4/8/13	15:36	composite soil	X		X				1
1A2826	FM0117A	4/8/13	14:08	composite soil	X		X				1
1A2827	FM0117D	4/8/13	14:34	composite soil	X	X	X				1
1A2828	FM0114A	4/8/13	13:25	composite soil	X		X				1
1A2829	CV1338B	4/9/13	14:52	composite soil	X		X				1
1A2830	CV1337A	4/9/13	14:16	composite soil	X		X				1
1A2831	CV0928B	4/9/13	13:25	composite soil	X	X	X				1
1A2832	CV0675A	4/9/13	12:42	composite soil	X		X				1
1A2833	HP0140B	4/9/13	10:22	composite soil	X		X				1
1A2834	HP0142A	4/9/13	9:37	composite soil	X	X	X				1
1A2835	HP0283C	4/9/13	9:05	composite soil	X		X				1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Container:

Relinquished by: *M. J. [Signature]*

Signed: *[Signature]*

Date: *4/12/13 16:15*

Received by: *Alma Davis*

Signed: *[Signature]*

Date: *4/12/13 16:15*

Relinquished by:

Signed:

Date:

Received in Laboratory by:

Signed:

Date:

Relinquished by:

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Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

CHAIN OF CUSTODY  
ANALYSIS REQUEST

SEND REPORT TO:

Name/Co.:

Address:

Phone# / Cell#:

E-mail:

PDF Results:

28598

Jymalyn Redmond

4659 Huffman Road Grady, AL 36036

334-562-9195 or 590-7010

jymalyn.redmond@comcast.net

Fax #:

Client P.O. # E11105

CLIENT: Hare, Wynn, Newell,  
Newton

PROJECT: Walter Coke, Inc

SAMPLER(S): Jerry Parlap/Renea Anglin  
(print)

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)
--------	----------	----------------	----------------	-----------------------------

Arsenic

PAH's

Lead

Number of sample containers

1428340	CV0318A	4/10/13	14:35	composite soil	X		X												1
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1428352	CV0886A	4/10/13	13:55	composite soil	X		X												1
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1428358	CV0050B	4/10/13	10:56	composite soil	X		X												1
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1428359	CV0133A	4/10/13	9:48	composite soil	X														1
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1428440	CV0661A	4/10/13	8:55	composite soil	X														1
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1428440	HP02022	4/11/13	10:52	composite soil	X														1
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142842	HP0083B	4/11/13	9:59	composite soil	X														1
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142843	CV0676A	4/12/13	9:42	composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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				composite soil	X														1
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Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Reinforced by Sampler:

Signed:

Reinforced by:

Signed:

Reinforced by:

Signed:

Reinforced by:

Signed:

Turn Around Time (please note):

Standard X

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks: Page 2 of 2

Refrigerated upon receipt: yes

Invoice # (LAB use only):

28598

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28598 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02274	0.001	4/17/13	1028	0.020	114%	70-130
Acenaphthylene	0.02533	0.001	4/17/13	1028	0.020	127%	70-130
Anthracene	0.01590	0.001	4/17/13	1028	0.020	80%	70-130
Benzo(a)anthracene	0.02049	0.001	4/17/13	1028	0.020	102%	70-130
Benzo(b)fluoranthene	0.01712	0.0001	4/17/13	1028	0.020	86%	70-130
Benzo(k)fluoranthene	0.01650	0.0001	4/17/13	1028	0.020	83%	70-130
Benzo(ghi)perylene	0.01585	0.0005	4/17/13	1028	0.020	79%	70-130
Benzo(a)pyrene	0.01787	0.0001	4/17/13	1028	0.020	89%	70-130
Chrysene	0.02019	0.0005	4/17/13	1028	0.020	101%	70-130
Dibenzo(ah)anthracene	0.01542	0.001	4/17/13	1028	0.020	77%	70-130
Fluoranthene	0.01917	0.001	4/17/13	1028	0.020	96%	70-130
Fluorene	0.02385	0.001	4/17/13	1028	0.020	119%	70-130
Indeno(1,2,3-cd)pyrene	0.01544	0.001	4/17/13	1028	0.020	77%	70-130
Naphthalene	0.01664	0.001	4/17/13	1028	0.020	83%	70-130
Phenanthrene	0.01583	0.001	4/17/13	1028	0.020	79%	70-130
Pyrene	0.02209	0.0005	4/17/13	1028	0.020	110%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

*MAH* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Dority*

Kevin Dority  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28598 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Date Received:	4/12/13	Analyst:	Kevin Doriety
Date Collected:	4/8-12/13	Date Analysis:	5/1/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142833MS	Recovery %		Conc.	Recovery
Arsenic	0.003	0.351	92%	0.196	0.200	98%

QC Matrix:	water	Analytical	
Date Received:	4/12/13	Analyst:	Kevin Doriety
Date Collected:	4/8-12/13	Date Analysis:	5/2/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	142843MS	Recovery %		Conc.	Recovery
Arsenic	0.009	0.223	82%	0.202	0.200	101%

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28598 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Date Received:	4/12/13	Analyst:	Kevin Doriety
Date Collected:	4/8-12/13	Date Analysis:	5/1/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142833MS	Recovery %		Conc.	Recovery	
Lead	0.022	0.209	NA*	0.217	0.200	109%	

QC Matrix:	water	Analytical	
Date Received:	4/12/13	Analyst:	Kevin Doriety
Date Collected:	4/8-12/13	Date Analysis:	5/2/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	142843MS	Recovery %		Conc.	Recovery	
Lead	0.006	0.073	NA*	0.198	0.200	99%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MSJ* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

B'HAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suttlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

**#28638**

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@gmenetwork.com

PDF Result: yes no Fax #:

Client P.O. # E11105

**CLIENT:**

Hare Wynn, Newell, Newton

**PROJECT:**

Walter Coke

**SAMPLER(S):**

Jymalyn Redmond, Ralph Norman

**DATE DELIVERED:**

**ANALYSIS REQUESTED / METHOD**

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
143033	CV0745B	4/15/13	13:45	composite soil	X	X		1
143034	FM0060A	4/15/13	14:25	composite soil	X	X		1
143035	FM0106B	4/15/13	15:15	composite soil	X	X		1
143036	CV1282A	4/16/13	09:30	composite soil	X	X		1
143037	CV1282C	4/16/13	09:55	composite soil	X	X	X	1
143038	CV0313B	4/16/13	15:00	composite soil	X	X		1
143039	CV0423A	4/16/13	15:35	composite soil	X	X		1
143040	CV1013B	4/16/13	14:00	composite soil	X	X	X	1
143041	CV1225A	4/16/13	10:45	composite soil	X	X		1
143042	CV1066B	4/16/13	11:30	composite soil	X	X		1
143043	HP0311B	4/17/13	15:10	composite soil	X	X		1
143044	CV0516C	4/17/13	14:00	composite soil	X	X		1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Relinquished by: Sampler

Signed: *[Signature]*

Date: 4/19/13 Time: 11:23

Received by: *[Signature]*

Date: 4/19/13 Time: 11:33

Turn Around Time (please note): Standard ☒ \*RUSH, mark below

Relinquished by:

Signed:

Date: Time:

Received in Laboratory by:

Date: Time:

Relinquished by:

Signed:

Date: Time:

Received in Laboratory by:

Date: Time:

Invoice # (LAB use only):

28638

PAGE 1 OF 2

*Environmental Company, Inc.*

2515 5th Avenue South

B'HAM, AL 35233

PHONE (205) 581-9500 FAX (205) 581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

**SEND REPORT TO:**

Name/Co.: Jy

**Address:**

Jymalyn Redmond/ Goodwyn, Mills, Cawood

4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

**E-mail:**

iyamalyn.redmond@gmcnetwork.com

**PDF Results:**

Fax #:

CLIENT: Hare Wym, Newell, Newton

PROJECT:

Walter Coke

SAMPLER(S):  
(print) Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

[illegible]

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02070	0.001	4/25/13	1511	0.020	104%	70-130
Acenaphthylene	0.02189	0.001	4/25/13	1511	0.020	109%	70-130
Anthracene	0.02070	0.001	4/25/13	1511	0.020	104%	70-130
Benzo(a)anthracene	0.02086	0.001	4/25/13	1511	0.020	104%	70-130
Benzo(b)fluoranthene	0.02160	0.0001	4/25/13	1511	0.020	108%	70-130
Benzo(k)fluoranthene	0.02169	0.0001	4/25/13	1511	0.020	108%	70-130
Benzo(ghi)perylene	0.02269	0.0005	4/25/13	1511	0.020	113%	70-130
Benzo(a)pyrene	0.02203	0.0001	4/25/13	1511	0.020	110%	70-130
Chrysene	0.01924	0.0005	4/25/13	1511	0.020	96%	70-130
Dibenzo(ah)anthracene	0.02222	0.001	4/25/13	1511	0.020	111%	70-130
Fluoranthene	0.01789	0.001	4/25/13	1511	0.020	89%	70-130
Fluorene	0.02153	0.001	4/25/13	1511	0.020	108%	70-130
Indeno(1,2,3-cd)pyrene	0.02116	0.001	4/25/13	1511	0.020	106%	70-130
Naphthalene	0.01784	0.001	4/25/13	1511	0.020	89%	70-130
Phenanthrene	0.02164	0.001	4/25/13	1511	0.020	108%	70-130
Pyrene	0.01698	0.0005	4/25/13	1511	0.020	85%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

*ms* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28832
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	5/23/13	Analyst:	Kevin Doriety
Date Collected:	5/20-21/13	Date of Analysis:	5/29-30/13
Sample Collector:	NBC	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0182-A	CV0287-B	CV1198-B	CV0912-A	CV0912-B	CV0912-C	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
	143892	143893	143894	143895	143896	143897	Limit,mg/Kg
Arsenic	18	25	21	27	27	16	1.0
Lead	130	183	183	198	145	157	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0838-B	CV0828-A	CV0828-C	CV1189-B	CV1016-A	CV0729-B	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
	143898	143899	143900	143901	143902	143903	Limit,mg/Kg
Arsenic	23	29	42	19	25	22	1.0
Lead	619	274	276	199	310	459	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28832
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	5/23/13	Analyst:	Kevin Doriety
Date Collected:	5/21-22/13	Date of Analysis:	5/29-30/13
Sample Collector:	NBC / BB	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0525-B	CV1271-A	FM0028-B	CV0950-A	HP0036-A	HP0036-C	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit,mg/Kg
	143904	143905	143906	143907	143908	143909	
Arsenic	11	11	9.5	25	10	7.2	1.0
Lead	225	332	190	292	85	95	1.0
	FIELD ID						
	CV0543-C						
Analyte, mg/Kg as Total	LAB ID						Detection Limit,mg/Kg
	143910						
Arsenic	19						1.0
Lead	239						1.0

NA = Not Available  
BDL = Below Detection Limit  
Detection Limit is Reporting Limit  
All results expressed as PPM mg/Kg of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28832
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	5/28/13
Date Received:	5/23/13	Analyst:	Hageman/Currence
Date Collected:	5/20-21/13	Date of Analysis:	5/29/13
Sample Collector:	NBC / BB	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID	FIELD ID			
	CV1198-B	CV0828-C	CV0525-B			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	143894	143900	143904			
Acenaphthene	0.050	BDL	0.090			0.050
Acenaphthylene	0.140	BDL	0.075			0.050
Anthracene	0.175	BDL	BDL			0.050
Benzo(a)anthracene	0.745	0.115	0.180			0.050
Benzo(b)fluoranthene	0.910	0.080	0.240			0.050
Benzo(k)fluoranthene	0.640	0.100	0.145			0.050
Benzo(ghi)perylene	0.465	0.090	0.115			0.050
Benzo(a)pyrene	0.710	0.065	0.165			0.050
Chrysene	0.910	0.125	0.340			0.050
Dibenzo(ah)anthracene	0.165	BDL	BDL			0.050
Fluoranthene	1.730	0.160	0.245			0.050
Fluorene	0.090	BDL	0.105			0.050
Indeno(1,2,3-cd)pyrene	0.405	BDL	0.100			0.050
Naphthalene	0.135	0.090	0.700			0.050
Phenanthrene	1.130	0.220	0.295			0.050
Pyrene	1.410	0.150	0.225			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28841
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	5/24/13	Analyst:	Kevin Doriety
Date Collected:	5/24/13	Date of Analysis:	6/3/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

METALLIC ANALYTES						
	FIELD ID	FIELD ID				
	HP0331-A	HP0332-B				
Analyte, mg/Kg	LAB ID	LAB ID				Detection
as Total	143945	143946				Limit,mg/Kg
Arsenic	16	17				1.0
Lead	61	95				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*MA* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28841
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	5/28/13
Date Received:	5/24/13	Analyst:	Hageman/Currence
Date Collected:	5/24/13	Date of Analysis:	5/29/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID						
	HP0332-B						
Polynuclear Aromatics, ppm	LAB ID						Detection Limit, ppm
	143946						
Acenaphthene	BDL						0.050
Acenaphthylene	0.120						0.050
Anthracene	0.055						0.050
Benzo(a)anthracene	0.370						0.050
Benzo(b)fluoranthene	0.360						0.050
Benzo(k)fluoranthene	0.320						0.050
Benzo(ghi)perylene	0.205						0.050
Benzo(a)pyrene	0.340						0.050
Chrysene	0.335						0.050
Dibenzo(ah)anthracene	0.085						0.050
Fluoranthene	0.520						0.050
Fluorene	BDL						0.050
Indeno(1,2,3-cd)pyrene	0.200						0.050
Naphthalene	0.090						0.050
Phenanthrene	0.190						0.050
Pyrene	0.415						0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Dority*

Kevin Dority  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28871
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	5/31/13	Analyst:	Kevin Doriety
Date Collected:	5/28-29/13	Date of Analysis:	6/10/13
Sample Collector:	N.B.C.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	FM-0349A	FM0348B	FM0322A	HP0175A	HP0175C	HP0098A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144098	144099	144100	144101	144102	144103	Limit,mg/Kg
Arsenic	8.5	6.0	2.9	4.7	4.6	8.2	1.0
Lead	208	95	443	184	82	183	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0098D	HP0072A	HP0125A	HP0193A	HP0299A	HP0299B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144104	144105	144106	144107	144108	144109	Limit,mg/Kg
Arsenic	3.2	5.5	6.8	8.2	8.5	5.7	1.0
Lead	48	123	230	180	90	90	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*hdx* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28871
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	6/4/13
Date Received:	5/31/13	Analyst:	Hageman/Currence
Date Collected:	5/28-29/13	Date of Analysis:	6/6/13
Sample Collector:	N.B.C.	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID					
	FM0322A	HP0098D					
Polynuclear Aromatics, ppm	LAB ID	LAB ID					Detection Limit, ppm
	144100	144104					
Acenaphthene	BDL	BDL					0.050
Acenaphthylene	BDL	BDL					0.050
Anthracene	BDL	BDL					0.050
Benzo(a)anthracene	BDL	0.155					0.050
Benzo(b)fluoranthene	BDL	0.215					0.050
Benzo(k)fluoranthene	BDL	0.100					0.050
Benzo(ghi)perylene	BDL	0.105					0.050
Benzo(a)pyrene	BDL	0.140					0.050
Chrysene	BDL	0.170					0.050
Dibenzo(ah)anthracene	BDL	BDL					0.050
Fluoranthene	BDL	0.190					0.050
Fluorene	BDL	BDL					0.050
Indeno(1,2,3-cd)pyrene	BDL	0.085					0.050
Naphthalene	BDL	0.060					0.050
Phenanthrene	BDL	0.130					0.050
Pyrene	BDL	0.185					0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*hda* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500




Client:	Goodwyn, Mills & Cawood	Report Date:	June 17, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28904
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	6/11/13
Date Received:	6/7/13	Analyst:	Hageman/Currence
Date Collected:	6/4-7/13	Date of Analysis:	6/12/13
Sample Collector:	R. Stubbs	Method:	EPA Method 8270C

## POLYNUCLEAR AROMATIC HYDROCARBONS

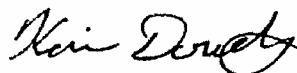
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV0710A	CV1134A	CV0346C	CV0201A			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	144227	144237	144241	144243			
Acenaphthene	BDL	BDL	BDL	BDL			0.050
Acenaphthylene	BDL	BDL	BDL	BDL			0.050
Anthracene	0.055	BDL	BDL	BDL			0.050
Benzo(a)anthracene	0.210	0.075	BDL	0.610			0.050
Benzo(b)fluoranthene	0.205	BDL	BDL	0.700			0.050
Benzo(k)fluoranthene	0.180	BDL	BDL	0.470			0.050
Benzo(ghi)perylene	0.160	0.060	BDL	0.405			0.050
Benzo(a)pyrene	0.165	0.060	BDL	0.490			0.050
Chrysene	0.235	0.055	BDL	0.455			0.050
Dibenzo(ah)anthracene	0.090	BDL	BDL	0.165			0.050
Fluoranthene	0.330	0.115	BDL	0.495			0.050
Fluorene	BDL	BDL	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.150	BDL	BDL	0.340			0.050
Naphthalene	0.190	BDL	BDL	BDL			0.050
Phenanthrene	0.445	0.060	BDL	0.210			0.050
Pyrene	0.285	0.100	BDL	0.460			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

*Environmental Company, Inc.*

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 17, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28904
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	6/7/13	Analyst:	Matt Hageman
Date Collected:	6/3-5/13	Date of Analysis:	6/14/13
Sample Collector:	R. Stubbs	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0679B	CV0690B	CV0435B	CV0492A	CV0710A	CV0625A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144223	144224	144225	144226	144227	144228	Limit,mg/Kg
Arsenic	4.5	BDL	5.9	8.2	8.7	4.4	1.0
Lead	434	82	283	230	381	117	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0622A	CV0732B	CV0027B	CV0271A	CV0145A	CV0139A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144229	144230	144231	144232	144233	144234	Limit,mg/Kg
Arsenic	9.1	8.8	14	4.3	10	21	1.0
Lead	412	369	2930	316	568	1860	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*Quality Environmental Analytical Services*



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 17, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28904
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	6/7/13	Analyst:	Matt Hageman
Date Collected:	6/5-7/13	Date of Analysis:	6/14/13
Sample Collector:	R. Stubbs	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0143A	CV0226A	CV1134A	CV1135B	CV1244B	CV0346A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144235	144236	144237	144238	144239	144240	Limit,mg/Kg
Arsenic	12	18	1.8	19	15	7.7	1.0
Lead	1120	1830	177	2110	1690	178	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV0346C	CV0296A	CV0201A	CV1333B			
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID			Detection
as Total	144241	144242	144243	144244			Limit,mg/Kg
Arsenic	1.3	4.9	9.8	5.0			1.0
Lead	111	131	340	400			1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*hda* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	July 2, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28967
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	6/21/13	Analyst:	Kevin Doriety
Date Collected:	6/17-20/13	Date of Analysis:	7/2/13
Sample Collector:	J. Partap	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0719A	CV0482A	CV1118B	CV1341A	CV0801A	CV0730A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144605	144606	144607	144608	144609	144610	Limit,mg/Kg
Arsenic	11	4.1	12	6.1	13	7.6	1.0
Lead	159	83	590	112	350	37	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0233A	CV0564A	CV0782B	FM0197A	FM0148A	CV0764B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	144611	144612	144613	144614	144615	144616	Limit,mg/Kg
Arsenic	10	2.2	12	11	6.7	8.5	1.0
Lead	450	15	184	18	103	361	1.0
	FIELD ID						
	CV0784B						
Analyte, mg/Kg	LAB ID						Detection
as Total	144617						Limit,mg/Kg
Arsenic	10						1.0
Lead	85						1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*hdx* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500

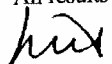


Client:	Goodwyn, Mills & Cawood	Report Date:	July 2, 2013
Attention:	Ms. Jynalyn Redmond	Reference #	28967
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	6/28/13
Date Received:	6/21/13	Analyst:	Hageman/Currence
Date Collected:	6/17-19/13	Date of Analysis:	6/28/13
Sample Collector:	J. Partap	Method:	EPA Method 8270C

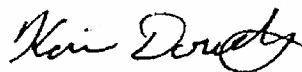
POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID	FIELD ID			
	CV0719A	CV1118B	CV0730A			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	144605	144607	144610			
Acenaphthene	0.084	BDL	BDL			0.050
Acenaphthylene	0.052	0.120	BDL			0.050
Anthracene	0.232	0.118	BDL			0.050
Benzo(a)anthracene	1.140	0.725	0.137			0.050
Benzo(b)fluoranthene	0.835	0.760	0.100			0.050
Benzo(k)fluoranthene	0.845	0.640	0.088			0.050
Benzo(ghi)perylene	0.745	0.471	0.086			0.050
Benzo(a)pyrene	0.950	0.605	0.097			0.050
Chrysene	0.785	0.640	0.094			0.050
Dibenzo(ah)anthracene	0.428	0.176	BDL			0.050
Fluoranthene	1.730	0.845	0.207			0.050
Fluorene	0.086	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.705	0.408	0.062			0.050
Naphthalene	0.117	0.147	BDL			0.050
Phenanthrene	1.140	0.595	0.090			0.050
Pyrene	1.410	0.850	0.136			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

0024  
Release

**Smith, Stephen**

---

**From:** Smith, Stephen  
**Sent:** Tuesday, December 03, 2013 7:56 AM  
**To:** 'Brian Vines'  
**Subject:** RE: North Birmingham Split Sample Results

Thanks, Brian. Rick and Greg plan to review the data and I will let you know. Should be an exciting game this weekend.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
Fax: (404) 562-9486  
smith.stephen@epa.gov

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**From:** Brian Vines [mailto:bvines@hwnn.com]  
**Sent:** Monday, December 02, 2013 5:44 PM  
**To:** Smith, Stephen  
**Subject:** North Birmingham Split Sample Results

Stephen,

Attached is the data we promised you. I look forward to hearing from you regarding the discrepancies in the recent sample we discussed today.

All the best and WAR EAGLE!

Brian

0025  
Release

**Smith, Stephen**

---

**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Friday, December 06, 2013 5:53 PM  
**To:** Smith, Stephen  
**Subject:** 35th Ave. Site

Stephen,

I hope you are well. Just wanted to touch base on what our next step should be regarding the site where we reached very different results.

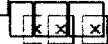
War Eagle!

Brian



**Brian Vines** *Attorney*

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330



0026  
Release

**Smith, Stephen**

---

**From:** Smith, Stephen  
**Sent:** Monday, December 09, 2013 3:12 PM  
**To:** Brian Vines  
**Cc:** 35AveSiteFile  
**Subject:** RE: 35th Ave. Site

I am still waiting to hear back from Greg and Rick regarding the results. I will follow up with them at our meeting this afternoon. Will let you know.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
Fax: (404) 562-9486  
smith.stephen@epa.gov

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**From:** Brian Vines [mailto:bvines@hwnn.com]  
**Sent:** Friday, December 06, 2013 5:53 PM  
**To:** Smith, Stephen  
**Subject:** 35th Ave. Site

Stephen,

I hope you are well. Just wanted to touch base on what our next step should be regarding the site where we reached very different results.

War Eagle!

Brian

**Brian Vines** Attorney

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330

**Smith, Stephen**

---

**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Tuesday, January 21, 2014 10:26 PM  
**To:** Smith, Stephen  
**Subject:** 35 Ave Site  
**Attachments:** image002.png; ATT00001.htm; 27884.pdf; ATT00002.htm

Stephen,

Sorry for the delay in getting this information to you. Below are our split samples that came back with higher PAH levels than what the EPA's testing showed.

One is CV1013 collected at 3428 27<sup>th</sup> Avenue North with a BaP of 1.620 The second one was for CV0251 from 3321 32 St North with a BaP of 1.330 but a large total BapTEQ that puts them well over the 1.5. The whole lab sheet is attached with that test result being the last one in that batch.

Let me know if you have any questions.

All the best,

Brian

# Sutherland

**Environmental Company, Inc.**  
2515 5th Avenue South  
BHAM, AL 35233  
PHONE (205)581-9500 FAX (205)581-9504  
E-Mail: [sutlab@bellsouth.net](mailto:sutlab@bellsouth.net)

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood  
Address: 4659 Huffman Road  
Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: [jymalyn.redmond@qmcnetwork.com](mailto:jymalyn.redmond@qmcnetwork.com)  
PDF Results: yes no Fax #:

CLIENT: Hare Wynn, Newell, Newton

PROJECT: Walter Coke

SAMPLER(S): Jymalyn Redmond, Ralph Norman  
(print)

DATE DELIVERED: 12/7

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	ANALYSIS REQUESTED / METHOD				Number of sample containers
139702	HP0108C	12/6/12	10:43	composite soil	X	X						1
139703	HP0108D	12/6/12	10:53	composite soil	X	X	X					1
139704	HP0196A	12/6/12	9:13	composite soil	X	X						1
139705	HP0070A	12/6/12	10:40	composite soil	X	X	X					1
139706	CV0641A	12/6/12	9:20	composite soil	X	X	X					1
139707	HP0276A	12/5/12	9:10	composite soil	X	X						1
139708	HP0286B	12/5/12	10:45	composite soil	X	X	X					1
139709	HP0012A	12/5/12	11:30	composite soil	X	X	X					1
139710	HP0067A	12/5/12	3:00	composite soil	X	X						1
139711	HP0022B	12/5/12	2:20	composite soil	X	X						1
139712	HP0196A	12/6/12	9:13	composite soil	X	X						1
139712	CV0640A	12/6/12	1:50	composite soil	X	X	X					1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag Container:

Reinquinshed by: *[Signature]* Date: 12/7/12 Time: 2:45 Signed: *[Signature]*

Reinquinshed by: *[Signature]* Date: *[Blank]* Time: *[Blank]* Signed: *[Blank]*

Received in Laboratory by: *[Signature]* Date: 12/7/12 Time: 2:45 Signed: *[Signature]*

Remarks: *[Blank]*

Refrigerated upon receipt: *[Blank]* Invoice # (LAB use only): 27884



Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

CHAIN OF CUSTODY

ANALYSIS REQUEST

SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@gmnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLER(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED: 12/7/12

LAB ID FIELD ID DATE Collected TIME Collected SAMPLE DESCRIPTION (matrix)

139713 • HP0095B 12/6/12 3:50 composite soil

139714 • CV0560B 12/3/12 1:55 composite soil

139715 • CV0251A 12/3/12 2:46 composite soil

139716 • CV0077B 12/3/12 3:46 composite soil

Arsenic Lead PAH

Number of sample containers

ANALYSIS REQUESTED / METHOD

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Relinquished by: Signed: 12/7/12 2:45 Received by: Container:

Relinquished by: Signed: Received by:

Relinquished by: Signed: Received by:

Relinquished by: Signed: Received by:

Relinquished by: Signed: Received by:

Turn Around Time (please note): \*RUSH, mark below  
\*3-Day \*2-Day \*Next Day \*Same Day

Standard

Remarks:

Refrigerated upon receipt: yes no

Invoice # (LAB use only): 27884

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/7/12	Analyst:	Kevin Doriety
Date Collected:	12/3 - 6/12	Date of Analysis:	12/11-12/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0108C	HP0108D	HP0196A	HP0070A	CV0641A	HP0276A	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit,mg/Kg
	139702	139703	139704	139705	139706	139707	
Arsenic	14	25	7.5	15	15	18	1.0
Lead	351	201	656	164	148	109	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0286B	HP0012A	HP0067A	HP0022B	CV0640A	HP0095B	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit,mg/Kg
	139708	139709	139710	139711	139712	139713	
Arsenic	16	4.0	13	12	24	13	1.0
Lead	225	109	195	91	168	85	1.0
	FIELD ID	FIELD ID	FIELD ID				
	CV0560B	CV0251A	CV0077B				
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID				Detection Limit,mg/Kg
	139714	139715	139716				
Arsenic	7.0	12	6.1				1.0
Lead	273	584	402				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	12/7/12	Analyst:	Kevin Doriety
Date Collected:	12/3 - 6/12	Date Analysis:	12/11/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		139716MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139716MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.288	91%	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	12/7/12	Analyst:	Kevin Doriety
Date Collected:	12/3 - 6/12	Date Analysis:	12/12/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		139716MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	139716MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.679	111%	0.210	0.200	105%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/13/12
Date Received:	12/7/12	Analyst:	Hageman/Currence
Date Collected:	12/3 - 6/12	Date of Analysis:	12/14/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0108D	HP0070A	CV0641A	HP0286B	HP0012A	CV0640A	
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, ppm
	139703	139705	139706	139708	139709	139712	
Acenaphthene	BDL	BDL	BDL	0.051	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	0.056	BDL	0.055	0.050
Anthracene	BDL	BDL	0.065	0.190	BDL	0.075	0.050
Benzo(a)anthracene	0.187	BDL	0.288	0.535	0.087	0.276	0.050
Benzo(b)fluoranthene	0.211	BDL	0.428	0.645	0.116	0.515	0.050
Benzo(k)fluoranthene	0.195	BDL	0.288	0.605	0.115	0.362	0.050
Benzo(ghi)perylene	0.134	0.053	0.218	0.510	0.070	0.242	0.050
Benzo(a)pyrene	0.203	0.051	0.296	0.685	0.109	0.296	0.050
Chrysene	0.235	0.053	0.370	0.610	0.136	0.407	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	0.330	0.072	0.499	0.970	0.163	0.415	0.050
Fluorene	BDL	BDL	BDL	0.061	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	0.108	BDL	0.172	0.417	0.060	0.226	0.050
Naphthalene	0.079	BDL	0.116	0.132	0.093	0.163	0.050
Phenanthrene	0.205	0.071	0.355	0.765	0.149	0.398	0.050
Pyrene	0.273	0.068	0.404	0.755	0.134	0.382	0.050

BDL = Below Detection Limit

Detection limit is Practical Quantitation Limit

All results expressed as PPM (mg/kg)

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/13/12
Date Received:	12/7/12	Analyst:	Hageman/Currence
Date Collected:	12/3 - 6/12	Date of Analysis:	12/14/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID						
	CV0251A						
Polynuclear Aromatics, ppm	LAB ID						Detection Limit, ppm
	139715						
Acenaphthene	BDL						0.050
Acenaphthylene	0.174						0.050
Anthracene	0.191						0.050
Benzo(a)anthracene	1.200						0.050
Benzo(b)fluoranthene	1.410						0.050
Benzo(k)fluoranthene	1.170						0.050
Benzo(ghi)perylene	1.040						0.050
Benzo(a)pyrene	1.330						0.050
Chrysene	1.300						0.050
Dibenzo(ah)anthracene	BDL						0.050
Fluoranthene	2.210						0.050
Fluorene	BDL						0.050
Indeno(1,2,3-cd)pyrene	0.860						0.050
Naphthalene	0.140						0.050
Phenanthrene	0.950						0.050
Pyrene	1.920						0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

MH / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270D	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00103	0.001	12/14/12	1241	0.001	103%	70-130
Acenaphthylene	0.00091	0.001	12/14/12	1241	0.001	91%	70-130
Anthracene	0.00093	0.001	12/14/12	1241	0.001	93%	70-130
Benzo(a)anthracene	0.00094	0.001	12/14/12	1241	0.001	94%	70-130
Benzo(b)fluoranthene	0.00090	0.0001	12/14/12	1241	0.001	90%	70-130
Benzo(k)fluoranthene	0.00084	0.0001	12/14/12	1241	0.001	84%	70-130
Benzo(ghi)perylene	0.00095	0.0005	12/14/12	1241	0.001	95%	70-130
Benzo(a)pyrene	0.00080	0.0001	12/14/12	1241	0.001	80%	70-130
Chrysene	0.00094	0.0005	12/14/12	1241	0.001	94%	70-130
Dibenzo(ah)anthracene	0.00072	0.001	12/14/12	1241	0.001	72%	70-130
Fluoranthene	0.00095	0.001	12/14/12	1241	0.001	95%	70-130
Fluorene	0.00091	0.001	12/14/12	1241	0.001	91%	70-130
Indeno(1,2,3-cd)pyrene	0.00076	0.001	12/14/12	1241	0.001	76%	70-130
Naphthalene	0.00113	0.001	12/14/12	1241	0.001	113%	70-130
Phenanthrene	0.00091	0.001	12/14/12	1241	0.001	91%	70-130
Pyrene	0.00091	0.0005	12/14/12	1241	0.001	91%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

*MJ* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

0028  
Release

**Smith, Stephen**

---

**From:** Smith, Stephen  
**Sent:** Wednesday, January 22, 2014 8:25 AM  
**To:** 'Brian Vines'  
**Subject:** RE: 35 Ave Site

Email received. Thanks, Brian.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
Fax: (404) 562-9486  
smith.stephen@epa.gov

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**From:** Brian Vines [mailto:bvines@hwnn.com]  
**Sent:** Tuesday, January 21, 2014 10:26 PM  
**To:** Smith, Stephen  
**Subject:** 35 Ave Site

Stephen,

Sorry for the delay in getting this information to you. Below are our split samples that came back with higher PAH levels than what the EPA's testing showed.

One is CV1013 collected at 3428 27<sup>th</sup> Avenue North with a BaP of 1.620 The second one was for CV0251 from 3321 32 St North with a BaP of 1.330 but a large total BapTEQ that puts them well over the 1.5. The whole lab sheet is attached with that test result being the last one in that batch.

Let me know if you have any questions.

All the best,

Brian

## Smith, Stephen

---

**From:** Smith, Stephen  
**Sent:** Wednesday, January 22, 2014 11:46 AM  
**To:** Brian Vines  
**Cc:** 35AveSiteFile; Lodin, Marianne  
**Subject:** RE: 35 Ave Site

Brian,

Do you mind sending me a copy of the sampling results for CV1013 collected at 3428 27<sup>th</sup> Avenue North? Seems that your attachments only included the results for CV0251. Thanks.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
Fax: (404) 562-9486  
[smith.stephen@epa.gov](mailto:smith.stephen@epa.gov)

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**From:** Smith, Stephen  
**Sent:** Wednesday, January 22, 2014 8:25 AM  
**To:** 'Brian Vines'  
**Subject:** RE: 35 Ave Site

Email received. Thanks, Brian.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
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**From:** Brian Vines [<mailto:bvines@hwenn.com>]  
**Sent:** Tuesday, January 21, 2014 10:26 PM  
**To:** Smith, Stephen  
**Subject:** 35 Ave Site

Stephen,

Sorry for the delay in getting this information to you. Below are our split samples that came back with higher PAH levels than what the EPA's testing showed.

One is CV1013 collected at 3428 27<sup>th</sup> Avenue North with a BaP of 1.620 The second one was for CV0251 from 3321 32 St North with a BaP of 1.330 but a large total BapTEQ that puts them well over the 1.5. The whole lab sheet is attached with that test result being the last one in that batch.

Let me know if you have any questions.

All the best,

Brian

## Smith, Stephen

---

**From:** Smith, Stephen  
**Sent:** Wednesday, January 22, 2014 12:11 PM  
**To:** Brian Vines  
**Cc:** 35AveSiteFile; Lodin, Marianne  
**Subject:** RE: 35 Ave Site

No worries, Brian. Appreciate it.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
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**From:** Brian Vines [mailto:bvines@hwnn.com]  
**Sent:** Wednesday, January 22, 2014 12:10 PM  
**To:** Smith, Stephen  
**Cc:** 35AveSiteFile; Lodin, Marianne  
**Subject:** Re: 35 Ave Site

I will get it to you, sorry about that.

**HARE | WYNN**  
NEWELL & NEWTON

**Brian Vines** *Attorney*

---

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330

f t in

On Jan 22, 2014, at 10:45 AM, Smith, Stephen <[Smith.Stephen@epa.gov](mailto:Smith.Stephen@epa.gov)> wrote:

Brian,

Do you mind sending me a copy of the sampling results for CV1013 collected at 3428 27<sup>th</sup> Avenue North? Seems that your attachments only included the results for CV0251. Thanks.

---

Stephen P. Smith  
Associate Regional Counsel

U.S. Environmental Protection Agency, Region 4  
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**Sent:** Wednesday, January 22, 2014 8:25 AM  
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Associate Regional Counsel  
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Let me know if you have any questions.

All the best,

## Smith, Stephen

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**Sent:** Wednesday, January 22, 2014 12:10 PM  
**To:** Smith, Stephen  
**Cc:** 35AveSiteFile; Lodin, Marianne  
**Subject:** Re: 35 Ave Site

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Stephen P. Smith  
Associate Regional Counsel  
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**From:** Smith, Stephen  
**Sent:** Wednesday, January 22, 2014 8:25 AM  
**To:** 'Brian Vines'  
**Subject:** RE: 35 Ave Site  
Email received. Thanks, Brian.

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Stephen P. Smith  
Associate Regional Counsel  
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Atlanta, Georgia 30303

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**From:** Brian Vines [<mailto:bvines@hwnn.com>]

**Sent:** Tuesday, January 21, 2014 10:26 PM

**To:** Smith, Stephen

**Subject:** 35 Ave Site

Stephen,

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One is CV1013 collected at 3428 27<sup>th</sup> Avenue North with a BaP of 1.620 The second one was for CV0251 from 3321 32 St North with a BaP of 1.330 but a large total BapTEQ that puts them well over the 1.5. The whole lab sheet is attached with that test result being the last one in that batch.

Let me know if you have any questions.

All the best,

Brian

## Smith, Stephen

---

**From:** Jymalyn Redmond <jymalyn.redmond@gmcnetwork.com>  
**Sent:** Wednesday, January 22, 2014 3:54 PM  
**To:** 'Brian Vines'  
**Cc:** Smith, Stephen  
**Subject:** RE: 35 Ave Site  
**Attachments:** 28638 (2).pdf

**Importance:** High

Good afternoon. Attached please find the lab results for CV1013.

Sorry for the delay. Please let me know if you need additional information.

Thanks, Jymalyn

**From:** Brian Vines [mailto:bvines@hwnn.com]  
**Sent:** Wednesday, January 22, 2014 11:10 AM  
**To:** Jymalyn Redmond  
**Subject:** Fwd: 35 Ave Site

Can you provide this, I think he's write, I'm not sure I saw that in what you sent yesterday. Let me know if I'm wrong.



**Brian Vines** *Attorney*

Birmingham Little Rock Lexington

1-800-568-5330



Begin forwarded message:

**From:** "Smith, Stephen" <Smith.Stephen@epa.gov>  
**Subject:** RE: 35 Ave Site  
**Date:** January 22, 2014 at 10:45:32 AM CST  
**To:** Brian Vines <bvines@hwnn.com>  
**Cc:** 35AveSiteFile <35AveSiteFile@epa.gov>, "Lodin, Marianne" <Lodin.Marianne@epa.gov>

Brian,

Do you mind sending me a copy of the sampling results for CV1013 collected at 3428 27<sup>th</sup> Avenue North? Seems that your attachments only included the results for CV0251. Thanks.

---

Stephen P. Smith  
Associate Regional Counsel

U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
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**To:** 'Brian Vines'  
**Subject:** RE: 35 Ave Site

Email received. Thanks, Brian.

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Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
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Let me know if you have any questions.

All the best,

Brian

\*\*\*\*\* ATTACHMENT NOT DELIVERED \*\*\*\*\*

This Email message contained an attachment named  
image001.jpg

which may be a computer program. This attached computer program could contain a computer virus which could cause harm to EPA's computers, network, and data. The attachment has been deleted.

This was done to limit the distribution of computer viruses introduced into the EPA network. EPA is deleting all computer program attachments sent from the Internet into the agency via Email.

If the message sender is known and the attachment was legitimate, you should contact the sender and request that they rename the file name extension and resend the Email with the renamed attachment. After receiving the revised Email, containing the renamed attachment, you can rename the file extension to its correct name.

For further information, please contact the EPA Call Center at (866) 411-4EPA (4372). The TDD number is (866) 489-4900.

\*\*\*\*\* ATTACHMENT NOT DELIVERED \*\*\*\*\*



## Smith, Stephen

---

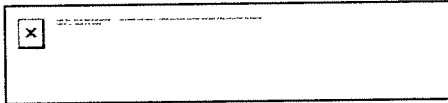
**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Wednesday, January 22, 2014 5:35 PM  
**To:** Smith, Stephen  
**Cc:** Don McKenna; Lodin, Marianne  
**Subject:** Fwd: 35 Ave Site  
**Attachments:** image003.jpg; ATT00001.htm; 28638 (2).pdf; ATT00002.htm  
  
**Importance:** High

Stephen,

Attached is the additional data you requested. Let me know if you have any questions.

All the best,

Brian



**Brian Vines** *Attorney*

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330



## Smith, Stephen

---

**From:** Smith, Stephen  
**Sent:** Thursday, January 23, 2014 3:29 PM  
**To:** Brian Vines  
**Cc:** Don McKenna; Lodin, Marianne  
**Subject:** RE: 35 Ave Site

Thanks, Brian.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
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smith.stephen@epa.gov

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**Subject:** Fwd: 35 Ave Site  
**Importance:** High

Stephen,

Attached is the additional data you requested. Let me know if you have any questions.

All the best,

Brian

**HARE | WYNN**  
NEWELL & NEWTON

**Brian Vines** *Attorney*

---

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330

f v in

## Smith, Stephen

---

**From:** Don McKenna <Don@hwenn.com>  
**Sent:** Friday, January 24, 2014 9:22 AM  
**To:** Brian Vines; Smith, Stephen  
**Cc:** Lodin, Marianne  
**Subject:** RE: 35 Ave Site

Stephen and Marianne,  
Is there any update on the time line for when additional, if any, PRPs may be named? I explained why this is important the last time I was in Atlanta. I'm in the office if you want to discuss.  
Don McKenna

**HARE | WYNN**

NEWELL & NEWTON

BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Don McKenna**  
*Trial Attorney*

2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
1-800-568-5330

f t in

On 1/23/2014 at 2:28 PM, in message , "Smith, Stephen" wrote:

Thanks, Brian.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
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**From:** Brian Vines [mailto:bvines@hwenn.com]  
**Sent:** Wednesday, January 22, 2014 5:35 PM  
**To:** Smith, Stephen  
**Cc:** Don McKenna; Lodin, Marianne  
**Subject:** Fwd: 35 Ave Site  
**Importance:** High

Stephen,

Attached is the additional data you requested. Let me know if you have any questions.

All the best,

## Smith, Stephen

---

**From:** Smith, Stephen  
**Sent:** Friday, January 24, 2014 12:39 PM  
**To:** Don McKenna; Brian Vines  
**Cc:** Lodin, Marianne; 35AveSiteFile  
**Subject:** RE: 35 Ave Site

Don,

Thanks for your email. Though our PRP search at the Site remains ongoing, we do not have (and otherwise could not provide) a timeframe for identification of additional PRPs. Please let us know if you have any other questions.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
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LEXINGTON FAYETTEVILLE

**Don McKenna**  
*Trial Attorney*  
2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
1-800-568-5330  
f t in

On 1/23/2014 at 2:28 PM, in message  
<[f8e29ab7db844bbf8fee1ef30a8fe64b@BL2PR09MB004.namprd09.prod.outlook.com](mailto:f8e29ab7db844bbf8fee1ef30a8fe64b@BL2PR09MB004.namprd09.prod.outlook.com)>, "Smith, Stephen"  
<[Smith.Stephen@epa.gov](mailto:Smith.Stephen@epa.gov)> wrote:

*pkf*

Thanks, Brian.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
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Stephen,

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All the best,

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**HARE | WYNN**  
NEWELL & NEWTON

**Brian Vines** *Attorney*

---

BIRMINGHAM LITTLE ROCK LEXINGTON  
1-800-568-5330

f t in

# Sutherland

**Environmental Company, Inc.**  
2515 5th Avenue South  
BHAM, AL 35233  
PHONE (205)581-9500 FAX (205)581-9504  
E-Mail: sutlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood  
Address: 4659 Huffman Road  
Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@gmnetwork.com  
PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton			PROJECT: Walter Coke			SAMPLER(S): Jymalyn Redmond, Ralph Norman		
DATE DELIVERED:								
LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
143033	CV0745B	4/15/13	13:45	composite soil	X	X		1
143034	FM00060A	4/15/13	14:25	composite soil	X	X		1
143035	FM0106B	4/15/13	15:15	composite soil	X	X		1
143036	CV1282A	4/16/13	09:30	composite soil	X	X		1
143037	CV1282C	4/16/13	09:55	composite soil	X	X	X	1
143038	CV0313B	4/16/13	15:00	composite soil	X	X		1
143039	CV0423A	4/16/13	15:35	composite soil	X	X		1
143040	CV1013B	4/16/13	14:00	composite soil	X	X	X	1
143041	CV1225A	4/16/13	10:45	composite soil	X	X		1
143042	CV1066B	4/16/13	11:30	composite soil	X	X		1
143043	HP0311B	4/17/13	15:10	composite soil	X	X		1
143044	CV0516C	4/17/13	14:00	composite soil	X	X		1
Preservative: (a)HCL, (b)HNO <sub>3</sub> , (c)H <sub>2</sub> SO <sub>4</sub> , (d)NaOH, (e)Zn Acetate								
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag					Container:			
Relinquished by: <i>[Signature]</i>		Date: 4/19/13	Time: 11:33	Signed: <i>[Signature]</i>	Date: 4/19/13	Time: 11:33	Turn Around Time (please note):	
Relinquished by:		Date:	Time:	Signed:	Date:	Time:	Standard <input checked="" type="checkbox"/> *3-Day *RUSH, mark below	
Relinquished by:		Date:	Time:	Signed:	Date:	Time:	*2-Day *Next Day *Same Day	
Relinquished by:		Date:	Time:	Signed:	Date:	Time:	PAGE 1 OF 2	
Relinquished by:		Date:	Time:	Signed:	Date:	Time:	Refrigerated upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished by:		Date:	Time:	Signed:	Date:	Time:	Invoice # (LAB use only): 28638	

# 28638

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

## CHAIN OF CUSTODY

### ANALYSIS REQUEST

## SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@gmcrenetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLER(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID FIELD ID DATE Collected TIME Collected SAMPLE DESCRIPTION (matrix)

Arsenic Lead PAH

Number of sample containers

143045	HP0234B	4/17/13	11:30	composite soil	X	X						1
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143046	FM0296A	4/17/13	09:25	composite soil	X	X						1
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143047	FM0296C	4/17/13	09:55	composite soil	X	X	X					1
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143048	HP0063A	4/18/13	10:05	composite soil	X	X						1
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143049	HP0064B	4/18/13	09:30	composite soil	X	X	X					1
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				composite soil	X	X						1
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				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
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				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

				composite soil	X	X						1
--	--	--	--	----------------	---	---	--	--	--	--	--	---

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag Container: \_\_\_\_\_

Relinquished by: *Shirley Ann* Date: 4/19/13 Time: 11:33 Signed: *Shirley Ann*

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Signed: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_ Signed: \_\_\_\_\_

Turn Around Time (please note): \_\_\_\_\_

Standard *V* \*RUSH, mark below  
\*3-Day \*2-Day \*Next Day \*Same Day

Remarks: PAGE 2 OF 2

Refrigerated upon receipt: *yes* no  
Invoice # (LAB use only): 28638

#28638

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	4/15-18/13	Analyst:	M. Hageman
Date Collected:	4/15-17/13	Date of Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0745B	FM0060A	FM0106B	CV1282A	CV1282C	CV0313B	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit,mg/Kg
	143033	143034	143035	143036	143037	143038	
Arsenic	5.6	4.2	5.9	5.3	9.6	6.8	1.0
Lead	162	160	97	56	192	173	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0423A	CV1013B	CV1225A	CV1066B	HP0311B	CV0516C	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit,mg/Kg
	143039	143040	143041	143042	143043	143044	
Arsenic	11.3	3.5	4.6	9.5	9.5	4.0	1.0
Lead	100	103	97	245	333	77	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	HP0234B	FM0296A	FM0296C	HP0063A	HP0064B		
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit,mg/Kg
	143045	143046	143047	143048	143049		
Arsenic	7.1	BDL	1.2	6.3	2.9		1.0
Lead	277	77	421	98	97		1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*hdx* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		143042MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143042MS	Recovery %		Conc.	Recovery	
Arsenic	0.008	0.297	81%	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		143049MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143049MS	Recovery %		Conc.	Recovery	
Arsenic	0.008	0.235	82%	0.185	0.200	93%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

METALLIC ANALYTES							
	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143042MS	Recovery %		Conc.	Recovery	
Lead	0.005	0.494	NA*	0.203	0.200	102%	
QC Matrix: water Analytical							
Date Received:	4/19/13	Analyst:	M. Hageman				
Date Collected:	4/15-18/13	Date Analysis:	5/8/13				
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B				

METALLIC ANALYTES							
	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143049MS	Recovery %		Conc.	Recovery	
Lead	0.007	0.319	NA*	0.198	0.200	99%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*[Signature]* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500

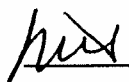


Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	4/23/13
Date Received:	4/19/13	Analyst:	Hageman/Currence
Date Collected:	4/16-18/13	Date of Analysis:	4/25/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 8270C


POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV1282C	CV1013B	FM0296C	HP0064B			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	143037	143040	143047	143049			
Acenaphthene	BDL	BDL	BDL	BDL			0.050
Acenaphthylene	BDL	BDL	BDL	BDL			0.050
Anthracene	0.057	0.059	BDL	BDL			0.050
Benzo(a)anthracene	0.327	0.845	BDL	0.053			0.050
Benzo(b)fluoranthene	0.422	1.970	BDL	0.075			0.050
Benzo(k)fluoranthene	0.326	1.100	BDL	0.063			0.050
Benzo(ghi)perylene	0.317	1.790	BDL	0.068			0.050
Benzo(a)pyrene	0.408	1.620	0.054	0.076			0.050
Chrysene	0.411	1.250	0.062	0.077			0.050
Dibenzo(ah)anthracene	0.072	0.555	BDL	BDL			0.050
Fluoranthene	0.545	0.985	0.074	0.093			0.050
Fluorene	BDL	BDL	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.261	1.470	BDL	0.052			0.050
Naphthalene	0.121	0.094	0.113	BDL			0.050
Phenanthrene	0.278	0.435	0.108	0.078			0.050
Pyrene	0.488	0.885	0.064	0.083			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.02070	0.001	4/25/13	1511	0.020	104%	70-130
Acenaphthylene	0.02189	0.001	4/25/13	1511	0.020	109%	70-130
Anthracene	0.02070	0.001	4/25/13	1511	0.020	104%	70-130
Benzo(a)anthracene	0.02086	0.001	4/25/13	1511	0.020	104%	70-130
Benzo(b)fluoranthene	0.02160	0.0001	4/25/13	1511	0.020	108%	70-130
Benzo(k)fluoranthene	0.02169	0.0001	4/25/13	1511	0.020	108%	70-130
Benzo(ghi)perylene	0.02269	0.0005	4/25/13	1511	0.020	113%	70-130
Benzo(a)pyrene	0.02203	0.0001	4/25/13	1511	0.020	110%	70-130
Chrysene	0.01924	0.0005	4/25/13	1511	0.020	96%	70-130
Dibenzo(ah)anthracene	0.02222	0.001	4/25/13	1511	0.020	111%	70-130
Fluoranthene	0.01789	0.001	4/25/13	1511	0.020	89%	70-130
Fluorene	0.02153	0.001	4/25/13	1511	0.020	108%	70-130
Indeno(1,2,3-cd)pyrene	0.02116	0.001	4/25/13	1511	0.020	106%	70-130
Naphthalene	0.01784	0.001	4/25/13	1511	0.020	89%	70-130
Phenanthrene	0.02164	0.001	4/25/13	1511	0.020	108%	70-130
Pyrene	0.01698	0.0005	4/25/13	1511	0.020	85%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

 / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

**Smith, Stephen**

---

**From:** Brian Vines <bvines@hwenn.com>  
**Sent:** Monday, March 24, 2014 6:38 PM  
**To:** Lodin, Marianne; Smith, Stephen  
**Subject:** 35th Ave. Site

Marianne and Stephen,

I forget where we landed on this, but I seem to remember that you were going to provide us with the raw excel data for the properties y'all had tested? Am I remembering that correctly and, if so, did you and I have forgotten? Also, would that data include XRF testing?

If you can let me know at your earliest convenience, I would greatly appreciate it.

All the best,

Brian

**Brian Vines**

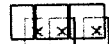
*Attorney*

2025 3rd Avenue North

Suite 800

Birmingham, AL 35203

1-800-568-5330



BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Smith, Stephen**

---

**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Monday, September 08, 2014 11:26 AM  
**To:** Smith, Stephen  
**Cc:** Andi Marquez  
**Subject:** N. Birmingham - Call Tomorrow

Stephen,

Do you have some time to touch base tomorrow? I need to learn some more about the EPA's clean-up plan in the neighborhood—I've received some calls from several clients.

I'm on the road tomorrow, so am generally available, just let me know a time that works for you.

All the best,

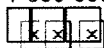
Brian



BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Brian Vines**  
*Attorney*

2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
**1-800-568-5330**



## Smith, Stephen

---

**From:** Smith, Stephen  
**Sent:** Monday, September 08, 2014 11:37 AM  
**To:** Brian Vines  
**Cc:** Andi Marquez; Lodin, Marianne  
**Subject:** RE: N. Birmingham - Call Tomorrow

How about 9:30 or 11:00 AM EDT tomorrow? Marianne and I can call you.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
Fax: (404) 562-9486  
[smith.stephen@epa.gov](mailto:smith.stephen@epa.gov)

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**From:** Brian Vines [mailto:bvines@hwynn.com]  
**Sent:** Monday, September 08, 2014 11:26 AM  
**To:** Smith, Stephen  
**Cc:** Andi Marquez  
**Subject:** N. Birmingham - Call Tomorrow

Stephen,

Do you have some time to touch base tomorrow? I need to learn some more about the EPA's clean-up plan in the neighborhood—I've received some calls from several clients.

I'm on the road tomorrow, so am generally available, just let me know a time that works for you.

All the best,

Brian

**HARE | WYNN**  
NEWELL & NEWTON  
BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE

**Brian Vines**  
*Attorney*

---

2025 3rd Avenue North  
Suite 800  
Birmingham, AL 35203  
1-800-568-5330

f t in

## Smith, Stephen

---

**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Tuesday, September 09, 2014 8:35 AM  
**To:** Smith, Stephen  
**Cc:** Andi Marquez; Lodin, Marianne  
**Subject:** Re: N. Birmingham - Call Tomorrow

Let's do 11, call my cell, 205-568-7800.

Brian Vines  
\*\*\*\*\*  
Sent from my iPhone

On Sep 8, 2014, at 10:37 AM, "Smith, Stephen" <[Smith.Stephen@epa.gov](mailto:Smith.Stephen@epa.gov)> wrote:

How about 9:30 or 11:00 AM EDT tomorrow? Marianne and I can call you.

---

Stephen P. Smith  
Associate Regional Counsel  
U.S. Environmental Protection Agency, Region 4  
Office of Environmental Accountability  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
Ph: (404) 562-9554  
Fax: (404) 562-9486  
[smith.stephen@epa.gov](mailto:smith.stephen@epa.gov)

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**From:** Brian Vines [<mailto:bvines@hwnn.com>]  
**Sent:** Monday, September 08, 2014 11:26 AM  
**To:** Smith, Stephen  
**Cc:** Andi Marquez  
**Subject:** N. Birmingham - Call Tomorrow

Stephen,

Do you have some time to touch base tomorrow? I need to learn some more about the EPA's clean-up plan in the neighborhood—I've received some calls from several clients. I'm on the road tomorrow, so am generally available, just let me know a time that works for you. All the best,  
Brian



0033  
Release

**Smith, Stephen**

---

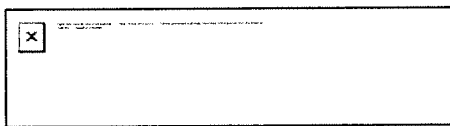
**From:** Brian Vines <bvines@hwnn.com>  
**Sent:** Tuesday, October 21, 2014 10:40 AM  
**To:** Smith, Stephen  
**Cc:** Annesley H. DeGaris  
**Subject:** North Birmingham

Stephen,

I have all of the EPA testing data for Hare Wynn's clients. As you know, we've also been working with Cory Watson that represents a lot of individuals in the area. How can they go about getting that data? I've cc'ed Annesley who is leading this case for that firm.

All the best,

Brian



**Brian Vines**

*Attorney*

2025 3rd Avenue North  
Suite 800

Birmingham, AL 35203

1-800-568-5330

BIRMINGHAM LITTLE ROCK  
LEXINGTON FAYETTEVILLE



0034  
Release

**Smith, Stephen**

---

**From:** Annesley DeGaris <adegar@cwcd.com>  
**Sent:** Friday, October 24, 2014 5:06 PM  
**To:** Smith, Stephen  
**Cc:** Andy Jones; Brian Vines (BVines@hwnn.com)  
**Subject:** Walter Coke clients

Earlier in the week Brian Vines Hare Wynn told me that you would be the source for providing the "EPA testing data" on my clients. Andy Jones in my office, is handling this project and any help you can provide would be greatly appreciated. I've instructed Andy, who is copied on this email, to provide you with any information you need in order to provide us with the testing data.

Annesley DeGaris

Shareholder

Cory Watson Crowder & DeGaris, P.C.

2131 Magnolia Avenue, STE 200

Birmingham, AL 35205

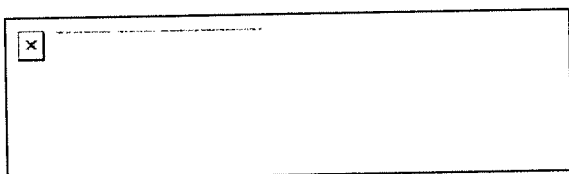
Direct: (205) 271-7104

Main: (205) 328-2200

Toll Free: (800) 852-6299

E-Mail: [adegar@cwcd.com](mailto:adegar@cwcd.com)

Web: [www.cwcd.com](http://www.cwcd.com)



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# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L as Total	Reagent Blank	LAB ID	Spike Recovery %	IPC	IPC Conc.	IPC % Recovery	
Arsenic	0.008	143042MS	81%	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L as Total	Reagent Blank	LAB ID	Spike Recovery %	IPC	IPC Conc.	IPC % Recovery	
Arsenic	0.008	143049MS	82%	0.185	0.200	93%	

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143042MS	Recovery %	IPC	Conc.	Recovery	
Lead	0.005	0.494	NA*	0.203	0.200	102%	

QC Matrix:	water	Analytical	
Date Received:	4/19/13	Analyst:	M. Hageman
Date Collected:	4/15-18/13	Date Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143049MS	Recovery %	IPC	Conc.	Recovery	
Lead	0.007	0.319	NA*	0.198	0.200	99%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

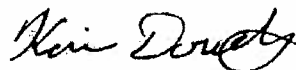
Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

 /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services





# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28677 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.00909	0.001	5/1/13	1610	0.010	91%	70-130
Acenaphthylene	0.00895	0.001	5/1/13	1610	0.010	90%	70-130
Anthracene	0.00900	0.001	5/1/13	1610	0.010	90%	70-130
Benzo(a)anthracene	0.00906	0.001	5/1/13	1610	0.010	91%	70-130
Benzo(b)fluoranthene	0.01065	0.0001	5/1/13	1610	0.010	107%	70-130
Benzo(k)fluoranthene	0.01062	0.0001	5/1/13	1610	0.010	106%	70-130
Benzo(ghi)perylene	0.01078	0.0005	5/1/13	1610	0.010	108%	70-130
Benzo(a)pyrene	0.01132	0.0001	5/1/13	1610	0.010	113%	70-130
Chrysene	0.00916	0.0005	5/1/13	1610	0.010	92%	70-130
Dibenzo(ah)anthracene	0.01043	0.001	5/1/13	1610	0.010	104%	70-130
Fluoranthene	0.00870	0.001	5/1/13	1610	0.010	87%	70-130
Fluorene	0.00885	0.001	5/1/13	1610	0.010	89%	70-130
Indeno(1,2,3-cd)pyrene	0.01035	0.001	5/1/13	1610	0.010	104%	70-130
Naphthalene	0.00902	0.001	5/1/13	1610	0.010	90%	70-130
Phenanthrene	0.00925	0.001	5/1/13	1610	0.010	93%	70-130
Pyrene	0.00862	0.0005	5/1/13	1610	0.010	86%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*hda* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28677 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/26/13	Analyst:	M. Hageman
Date Collected:	4/23-25/13	Date Analysis:	5/9/13
Sample Collector:	N. Berrios	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143267MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.309	82%	0.198	0.200	99%	

QC Matrix:	water	Analytical	
Date Received:	4/26/13	Analyst:	M. Hageman
Date Collected:	4/23-25/13	Date Analysis:	5/9/13
Sample Collector:	N. Berrios	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID		LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143278MS	Recovery %		Conc.	Recovery	
Arsenic	0.016	0.212	88%	0.214	0.200	107%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28677 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	4/26/13	Analyst:	M. Hageman
Date Collected:	4/23-25/13	Date Analysis:	5/9/13
Sample Collector:	N. Berrios	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		143267MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143267MS	Recovery %	IPC	Conc.	Recovery	
Lead	0.002	0.352	NA*	0.206	0.200	103%	

QC Matrix:	water	Analytical	
Date Received:	4/26/13	Analyst:	M. Hageman
Date Collected:	4/23-25/13	Date Analysis:	5/9/13
Sample Collector:	N. Berrios	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		143278MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143278MS	Recovery %	IPC	Conc.	Recovery	
Lead	BDL	0.330	NA*	0.204	0.200	102%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*ms* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

**Sutherland**

**Environmental Company, Inc.**

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sutlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.:

Address:

Jymalyn Redmond  
4659 Huffman Road Grady, AL 36036

08717

Phone# / Cell#:

334-562-9195 or 590-7010

E-mail:

jymalyn.redmond@gmccnetwork.com

PDF Results:

Fax #:

Client P.O. # E11105

CLIENT: Hare, Wynn, Newell,  
Newton

PROJECT: Walter Coke, Inc

SAMPLE(S):

A. Davis

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	PAH's	Lead					Number of sample containers
143386	CV0727A	4/29/13	14:24	composite soil	X		X					1
143387	CV0728B	4/29/13	13:57	composite soil	X	X	X					1
143388	CV0731A	4/29/13	13:22	composite soil	X		X					1
143389	CV0670B	4/30/13	09:15	composite soil	X	X	X					1
143390	CV0670C	4/30/13	09:36	composite soil	X		X					1
143391	CV0662A	4/30/13	10:35	composite soil	X		X					1
143392	CV0963A	4/30/13	12:40	composite soil	X		X					1
143393	CV0964A	4/30/13	13:35	composite soil	X		X					1
143394	CV0466A	4/30/13	14:10	composite soil	X		X					1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Ice

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (f) Tedlar bag

Container:

Relinquished by Sampler:

Received by:

Date

Time

Turn Around Time (Please note):

Standard X

\*3-Day \*2-Day \*Next Day \*Same Day

\*RUSH, mark below

Relinquished by:

Received by:

Date

Time

Remarks:

\*3-Day \*2-Day \*Next Day \*Same Day

Last revised 8/6/08

Relinquished by:

Received in Laboratory by:

Date

Time

Refrigerated upon receipt

Invoice # (LAB use only)

08717

Signed:

Date

Time

Signed:

Date

Time

Signed:

Date

Time

Signed:

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28717 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

QC Matrix:	water	Analytical	
Date Received:	5/2/13	Analyst:	M. Hageman
Date Collected:	4/29-30/13	Date Analysis:	5/9/13
Sample Collector:	A. Davis	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143394MS	Recovery %		Conc.	Recovery	
Arsenic	0.020	0.239	75%	0.192	0.200	96%	

QC Matrix:	water	Analytical	
Date Received:	5/2/13	Analyst:	M. Hageman
Date Collected:	4/29-30/13	Date Analysis:	5/9/13
Sample Collector:	A. Davis	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143394MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.372	NA*	0.200	0.200	100%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sudtlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

334-590-7010

Phone# / Cell#:

E-mail:

jymalyn.redmond@comcast.net

PDF Results:

Fax #:

Client P.O. # E11105

CLIENT:

Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Nairimer Berrios-Carragena

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
1438992	CV0182-A	5/20/13	15:05	composite soil	X	X		1
1438993	CV0287-B	5/20/13	14:29	composite soil	X	X		1
1438994	CV1198-B	5/20/13	13:30	composite soil	X	X	X	1
1438995	CV0912-A	5/21/13	15:15	composite soil	X	X		1
1438996	CV0912-B	5/21/13	15:22	composite soil	X	X		1
1438997	CV0912-C	5/21/13	15:40	composite soil	X	X		1
1438998	CV0838-B	5/21/13	14:41	composite soil	X	X		1
1438999	CV0828-A	5/21/13	13:43	composite soil	X	X		1
1439000	CV0828-C	5/21/13	13:55	composite soil	X	X	X	1
1439001	CV1189-B	5/21/13	15:15	composite soil	X	X		1
1439002	CV1189-A	5/21/13	10:58	composite soil	X	X		1
1439003	CV0729-B	5/21/13	09:21	composite soil	X	X		1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
 Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag  
 Container: g

Relinquished by: *[Signature]* Date: 5/23/13 Time: 16:27  
 Received by: *[Signature]* Date: 5/23/13 Time: 4:10

Relinquished by: *[Signature]* Date: *[Blank]* Time: *[Blank]*  
 Received by: *[Signature]* Date: *[Blank]* Time: *[Blank]*

Relinquished by: *[Signature]* Date: *[Blank]* Time: *[Blank]*  
 Received by: *[Signature]* Date: *[Blank]* Time: *[Blank]*

Remarks: Page 1 of 2  
 \*3-Day \*2-Day \*Next Day \*Same Day  
 Turn Around Time (please note):  
 Standard X \*RUSH, mark below

Relinquished upon receipt: *[Signature]* Date: 5/23/13 Time: 4:10  
 Invoice # (LAB use only): 88832

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

ilymalyn.redmond@qmcnetwork.com

yes	no	Fax #:

Nairimer Berríos-Caragena/Brittney Brown

ANALYSIS REQUESTED / METHOD

2832

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 31, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28832 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical
Method:	EPA Method 8270C	Analyst: Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01097	0.001	5/29/13	1143	0.010	110%	70-130
Acenaphthylene	0.01060	0.001	5/29/13	1143	0.010	106%	70-130
Anthracene	0.00881	0.001	5/29/13	1143	0.010	88%	70-130
Benzo(a)anthracene	0.01050	0.001	5/29/13	1143	0.010	105%	70-130
Benzo(b)fluoranthene	0.00988	0.0001	5/29/13	1143	0.010	99%	70-130
Benzo(k)fluoranthene	0.01080	0.0001	5/29/13	1143	0.010	108%	70-130
Benzo(ghi)perylene	0.00953	0.0005	5/29/13	1143	0.010	95%	70-130
Benzo(a)pyrene	0.01066	0.0001	5/29/13	1143	0.010	107%	70-130
Chrysene	0.00925	0.0005	5/29/13	1143	0.010	93%	70-130
Dibenzo(ah)anthracene	0.00840	0.001	5/29/13	1143	0.010	84%	70-130
Fluoranthene	0.01045	0.001	5/29/13	1143	0.010	105%	70-130
Fluorene	0.01087	0.001	5/29/13	1143	0.010	109%	70-130
Indeno(1,2,3-cd)pyrene	0.00833	0.001	5/29/13	1143	0.010	83%	70-130
Naphthalene	0.00827	0.001	5/29/13	1143	0.010	83%	70-130
Phenanthrene	0.00889	0.001	5/29/13	1143	0.010	89%	70-130
Pyrene	0.01048	0.0005	5/29/13	1143	0.010	105%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

MA / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 31, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28832 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	5/23/13	Analyst:	Kevin Doriety
Date Collected:	5/20-22/13	Date Analysis:	5/29/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143901MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.423	92%	0.184	0.200	92%	

QC Matrix:	water	Analytical	
Date Received:	5/23/13	Analyst:	Kevin Doriety
Date Collected:	5/20-22/13	Date Analysis:	5/30/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143910MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.423	93%	0.186	0.200	93%	

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 31, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28832 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	5/23/13	Analyst:	Kevin Doriety
Date Collected:	5/20-22/13	Date Analysis:	5/29/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143901MS	Recovery %		Conc.	Recovery	
Lead	0.002	0.254	NA*	0.193	0.200	97%	

QC Matrix:	water	Analytical	
Date Received:	5/23/13	Analyst:	Kevin Doriety
Date Collected:	5/20-22/13	Date Analysis:	5/30/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143910MS	Recovery %		Conc.	Recovery	
Lead	0.001	0.281	NA*	0.202	0.200	101%	

\* Not Available due to high dilution  
IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



Sutherland

Environmental Company, Inc.

2515 5th Avenue South

B'ham, AL 35223

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

CHAIN OF CUSTODY  
ANALYSIS REQUEST

SEND REPORT TO:

Name/Co.: Jymalyn Redmond/Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 334-590-7010

E-mail: jymalyn.redmond@gmcnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT:

Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLER(S):

Nairimer Berrios-Cartagena/Retired

DATE DELIVERED:

LAB ID FIELD ID DATE TIME SAMPLE DESCRIPTION (matrix)

143945

HP0331-A

5/24/13 08:25

composite soil

Arsenic Lead PAH

Number of sample containers

143946

HP0332-B

5/24/13 08:46

composite soil

X X X X

1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate  
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (i) Tedlar bag

Preservative: ICE

g

Last revised 8/6/08

Relinquished by Sampler:

Date Time

Signed:

Container:

Date Time

Turn Around Time (please note):

Standard X

\*RUSH, mark below

Relinquished by:

Date Time

Signed:

Container:

Date Time

Remarks:

\*3-Day \*2-Day \*Next Day \*Same Day

Relinquished by:

Date Time

Signed:

Container:

Date Time

Refrigerated upon receipt: yes no

Invoice # (LAB use only) 28841

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28841 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical
Method:	EPA Method 8270C	Analyst: Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01097	0.001	5/29/13	1143	0.010	110%	70-130
Acenaphthylene	0.01060	0.001	5/29/13	1143	0.010	106%	70-130
Anthracene	0.00881	0.001	5/29/13	1143	0.010	88%	70-130
Benzo(a)anthracene	0.01050	0.001	5/29/13	1143	0.010	105%	70-130
Benzo(b)fluoranthene	0.00988	0.0001	5/29/13	1143	0.010	99%	70-130
Benzo(k)fluoranthene	0.01080	0.0001	5/29/13	1143	0.010	108%	70-130
Benzo(ghi)perylene	0.00953	0.0005	5/29/13	1143	0.010	95%	70-130
Benzo(a)pyrene	0.01066	0.0001	5/29/13	1143	0.010	107%	70-130
Chrysene	0.00925	0.0005	5/29/13	1143	0.010	93%	70-130
Dibenzo(ah)anthracene	0.00840	0.001	5/29/13	1143	0.010	84%	70-130
Fluoranthene	0.01045	0.001	5/29/13	1143	0.010	105%	70-130
Fluorene	0.01087	0.001	5/29/13	1143	0.010	109%	70-130
Indeno(1,2,3-cd)pyrene	0.00833	0.001	5/29/13	1143	0.010	83%	70-130
Naphthalene	0.00827	0.001	5/29/13	1143	0.010	83%	70-130
Phenanthrene	0.00889	0.001	5/29/13	1143	0.010	89%	70-130
Pyrene	0.01048	0.0005	5/29/13	1143	0.010	105%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*MS* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28841 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	5/24/13	Analyst:	Kevin Doriety
Date Collected:	5/24/13	Date Analysis:	6/3/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		143946MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143946MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.388	88%	0.199	0.200	100%	

QC Matrix:	water	Analytical	
Date Received:	5/24/13	Analyst:	Kevin Doriety
Date Collected:	5/24/13	Date Analysis:	6/3/13
Sample Collector:	N. Berrios-Cartagena	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		143946MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	143946MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.111	NA*	0.218	0.200	109%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*MH* /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

B/HAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sudtlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 334-590-7010

E-mail: jymalyn.redmond@amnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT:

Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Naitimer Berrios-Cartagena

DATE DELIVERED:

LAB ID FIELD ID DATE TIME SAMPLE DESCRIPTION (matrix)

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	ANALYSIS REQUESTED / METHOD (print)	Number of sample containers
144098	FM-0349A	5/28/13	14:54	composite soil	X	X			1
144099	FM0348B	5/28/13	14:34	composite soil	X	X			1
144100	FM0322A	5/28/13	13:36	composite soil	X	X	X		1
144101	HP0175A	5/29/13	10:52	composite soil	X	X			1
144102	HP0175C	5/29/13	11:00	composite soil	X	X			1
144103	HP0098A	5/29/13	9:01	composite soil	X	X			1
144104	HP0098D	5/29/13	9:37	composite soil	X	X	X		1
144105	HP0072A	5/29/13	12:53	composite soil	X	X			1
144106	HP0125A	5/29/13	13:39	composite soil	X	X			1
144107	HP0193A	5/29/13	14:23	composite soil	X	X			1
144108	HP0299A	5/29/13	15:27	composite soil	X	X			1
144109	HP0299B	5/29/13	15:35	composite soil	X	X			1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (b) Glass, (c) Plastic, (d) VOC Vial, (e) Tedlar bag

Relinquished by: *M. Wynn*

Date: 5/31/13 Time: 4:10

Signed: *M. Wynn*

Received by: *Walter M. Wynn*

Date: 5/31/13 Time: 4:10

Turn Around Time (please note):

Standard X

\*1-Day \*2-Day \*Next Day \*Same Day

Remarks:

Relinquished by: *M. Wynn*

Date: 5/31/13 Time: 4:10

Signed: *M. Wynn*

Received in Laboratory by: *Walter M. Wynn*

Date: 5/31/13 Time: 4:10

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Date: 5/31/13 Time: 4:10

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28871 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical
Method:	EPA Method 8270C	Analyst: Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01879	0.001	6/6/13	1842	0.020	94%	70-130
Acenaphthylene	0.01774	0.001	6/6/13	1842	0.020	89%	70-130
Anthracene	0.01831	0.001	6/6/13	1842	0.020	92%	70-130
Benzo(a)anthracene	0.02124	0.001	6/6/13	1842	0.020	106%	70-130
Benzo(b)fluoranthene	0.01983	0.0001	6/6/13	1842	0.020	99%	70-130
Benzo(k)fluoranthene	0.02086	0.0001	6/6/13	1842	0.020	104%	70-130
Benzo(ghi)perylene	0.01782	0.0005	6/6/13	1842	0.020	89%	70-130
Benzo(a)pyrene	0.02056	0.0001	6/6/13	1842	0.020	103%	70-130
Chrysene	0.01852	0.0005	6/6/13	1842	0.020	93%	70-130
Dibenzo(ah)anthracene	0.01732	0.001	6/6/13	1842	0.020	87%	70-130
Fluoranthene	0.02015	0.001	6/6/13	1842	0.020	101%	70-130
Fluorene	0.01896	0.001	6/6/13	1842	0.020	95%	70-130
Indeno(1,2,3-cd)pyrene	0.01768	0.001	6/6/13	1842	0.020	88%	70-130
Naphthalene	0.01705	0.001	6/6/13	1842	0.020	85%	70-130
Phenanthrene	0.01809	0.001	6/6/13	1842	0.020	90%	70-130
Pyrene	0.01988	0.0005	6/6/13	1842	0.020	99%	70-130

BDL = Below Detection Limit

All results expressed as PPM (mg/L)

*hda* / QAQC

ADEM # 41470

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28871 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	5/31/13	Analyst:	Kevin Doriety
Date Collected:	5/28-29/13	Date Analysis:	6/10/13
Sample Collector:	N.B.C.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		144109MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	144109MS	Recovery %		Conc.	Recovery	
Arsenic	0.002	0.211	77%	0.221	0.200	111%	

QC Matrix:	water	Analytical	
Date Received:	5/31/13	Analyst:	Kevin Doriety
Date Collected:	5/28-29/13	Date Analysis:	6/10/13
Sample Collector:	N.B.C.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		144109MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	144109MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.115	NA*	0.213	0.200	107%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

*hux* /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

B'ham, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suhlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.:

Address:

Phone# / Cell#:

E-mail:

PDF Results:

Fax #:

Client P.O. # E11105

334-590-7010

Grady, AL 36036

Jymalyn Redmond/ Goodywyn, Mills, Cawood

4659 Huffman Road

jymalyn.redmond@amcnetwork.com

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLERS:

Ryan Stubbs

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
144003	CV0679B	6/3/13	14:50	composite soil	X	X		1
144004	CV0690B	6/3/13	14:05	composite soil	X	X		1
144005	CV0435B	6/3/13	13:35	composite soil	X	X		1
144006	CV0492A	6/4/13	08:25	composite soil	X	X		1
144007	CV0710A	6/4/13	10:10	composite soil	X	X	X	1
144008	CV0625A	6/4/13	12:20	composite soil	X	X		1
144009	CV0622A	6/4/13	12:35	composite soil	X	X		1
144030	CV0732B	6/4/13	14:00	composite soil	X	X		1
144031	CV0027B	6/4/13	14:20	composite soil	X	X		1
144032	CV 0271A	6/5/13	10:10	composite soil	X	X		1
144033	CV0145A	6/5/13	10:45	composite soil	X	X		1
144034	CV0139A	6/5/13	12:30	composite soil	X	X		1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (e) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Preservative: ICE

Container: #

Relinquished by Sampler:

Date Time

Signed:

Received by:

Date Time

Turn Around Time (please note):

\*3-Day \*2-Day \*Next Day \*Same Day

Standard X

Relinquished by:

Date Time

Signed:

Received in Laboratory by:

Date Time

Remarks: Page 1 of 2

Received in Laboratory by:

Date Time

Invoice # (LAB use only)

Relinquished by:

Date Time

Signed:

Received in Laboratory by:

Date Time

Remarks: Page 1 of 2

Received in Laboratory by:

Date Time

Invoice # (LAB use only)

28904

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

E-mail: \_\_\_\_\_

n.redmond@armcnetwork.com

**Ryan Stubbs**

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE	TIME	SAMPLE DESCRIPTION (matrix)					Number of sample containers
		Collected	Collected		Arsenic	Lead	PAH		
144035	CV0143A	6/5/13	13:20	composite soil	X	X			1
144036	CV0226A	6/6/13	9:00	composite soil	X	X			1
144037	CV1134A	6/6/13	10:00	composite soil	X	X	X		1
144038	CV1135B	6/6/13	10:30	composite soil	X	X			1
144039	CV1244B	6/6/13	11:05	composite soil	X	X			1
144040	CV0346A	6/6/13	12:50	composite soil	X	X			1
144041	CV0346C	6/6/13	13:10	GRAB	X	X	X		1
144042	CV0296A	6/6/13	13:55	composite soil	X	X			1
144043	CV0201A	6/7/13	08:10	composite soil	X	X	X		1
144044	CV1333B	6/7/13	08:45	composite soil	X	X			1
				composite soil	X	X			1
				composite soil	X	X			1

1.

Last revised

8/6/03

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# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 17, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28904 QC
Address:	4659 Huffinan Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01787	0.001	6/12/13	1205	0.020	89%	70-130
Acenaphthylene	0.01679	0.001	6/12/13	1205	0.020	84%	70-130
Anthracene	0.01858	0.001	6/12/13	1205	0.020	93%	70-130
Benzo(a)anthracene	0.02316	0.001	6/12/13	1205	0.020	116%	70-130
Benzo(b)fluoranthene	0.01961	0.0001	6/12/13	1205	0.020	98%	70-130
Benzo(k)fluoranthene	0.02061	0.0001	6/12/13	1205	0.020	103%	70-130
Benzo(ghi)perylene	0.01631	0.0005	6/12/13	1205	0.020	82%	70-130
Benzo(a)pyrene	0.01992	0.0001	6/12/13	1205	0.020	100%	70-130
Chrysene	0.01838	0.0005	6/12/13	1205	0.020	92%	70-130
Dibenzo(ah)anthracene	0.01597	0.001	6/12/13	1205	0.020	80%	70-130
Fluoranthene	0.02073	0.001	6/12/13	1205	0.020	104%	70-130
Fluorene	0.01860	0.001	6/12/13	1205	0.020	93%	70-130
Indeno(1,2,3-cd)pyrene	0.01566	0.001	6/12/13	1205	0.020	78%	70-130
Naphthalene	0.01493	0.001	6/12/13	1205	0.020	75%	70-130
Phenanthrene	0.01801	0.001	6/12/13	1205	0.020	90%	70-130
Pyrene	0.02052	0.0005	6/12/13	1205	0.020	103%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*[Signature]* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 17, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28904 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	6/7/13	Analyst:	M. Hageman
Date Collected:	6/3-7/13	Date Analysis:	6/14/13
Sample Collector:	R. Stubbs	Method:	EPA Method 6010B

METALLIC ANALYTES						
	LAB ID		LAB ID			
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	144233MS	Recovery %		Conc.	Recovery
Arsenic	0.005	0.081	94%	0.202	0.200	101%
QC Matrix: water Analytical						
Date Received:	6/7/13	Analyst:	M. Hageman			
Date Collected:	6/3-7/13	Date Analysis:	6/14/13			
Sample Collector:	R. Stubbs	Method:	EPA Method 6010B			

METALLIC ANALYTES						
	LAB ID		LAB ID			
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %
as Total	Blank	144244MS	Recovery %		Conc.	Recovery
Arsenic	0.004	0.275	110%	0.222	0.200	111%

IPC = Instrument Performance Check  
NA = Not Available  
BDL = Below Detection Limit  
MS = Matrix Spike  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/L of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	June 17, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28904 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	6/7/13	Analyst:	M. Hageman
Date Collected:	6/3-7/13	Date Analysis:	6/14/13
Sample Collector:	R. Stubbs	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		144233MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	144233MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.513	NA*	0.208	0.200	104%	

QC Matrix:	water	Analytical	
Date Received:	6/7/13	Analyst:	M. Hageman
Date Collected:	6/3-7/13	Date Analysis:	6/14/13
Sample Collector:	R. Stubbs	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		144244MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	144244MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.428	NA*	0.213	0.200	107%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

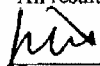
NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

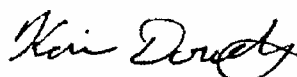
Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

 /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

BFAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.: Jymalyn Redmond

Address: 4659 Huffman Road Grady, AL 36036

289107

Phone# / Cell#: 334-562-9195 or 590-7010

E-mail: jymalyn.redmond@gmnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare, Wynn, Newell, Newton

PROJECT:

Walter Coke, Inc

SAMPLE(S):

Jerry Partap

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID FIELD ID DATE TIME Collected Collected SAMPLE DESCRIPTION (matrix)

Arsenic

PAH's

Lead

Number of sample containers

144005	CV0719A	6/17/13	13:40	composite soil	X	X	X						1
144006	CV0482A	6/17/13	14:20	composite soil	X		X						1
144007	CV1118B	6/18/13	13:25	composite soil	X	X	X						1
144008	CV1341A	6/18/13	13:45	composite soil	X		X						1
144009	CV0801A	6/18/13	14:45	composite soil	X		X						1
144010	CV0730A	6/19/13	9:20	composite soil	X		X						1
144011	CV0233A	6/19/13	10:30	composite soil	X		X						1
144012	CV0564A	6/19/13	13:50	composite soil	X		X						1
144013	CV0782B	6/19/13	14:30	composite soil	X		X						1
144014	FM0197A	6/20/13	9:00	composite soil	X		X						1
144015	FM0148A	6/20/13	9:20	composite soil	X		X						1
144016	CV0764B	6/20/13	10:20	composite soil	X		X						1

Preservative: (a) HCL, (b) HNO<sub>3</sub>, (c) H<sub>2</sub>SO<sub>4</sub>, (d) NaOH, (e) Zn Acetate

Preservative:

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Container:

Relinquished by Sampler:

Date Time

Signed: *Abma Davis*

Received by:

Date Time

Turn Around Time (please note):

Standard X

\*RUSH, mark below

\*1-Day \*2-Day \*Next Day \*Same Day

Relinquished by:

Date Time

Signed:

Received by:

Date Time

Remarks:

Relinquished by:

Date Time

Received in Laboratory by:

Date Time

Refrigerated upon receipt: *yes*

Invoice # (LAB use only):

289107

E-Mail: [suthlabb@bellsouth.net](mailto:suthlabb@bellsouth.net)

28017

1

**Jerry Partap**

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	PAH's	Lead						Number of sample containers
144017	CV0784B	6/17/13	13:40	composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				composite soil	X		X						1
				Preservative: (a) HCL, (b) HNO <sub>3</sub> , (c) H <sub>2</sub> SO <sub>4</sub> , (d) NaOH, (e) Zn Acetate Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag Signed: <i>Nancy Stevens</i> Relinquished by:									Last revised 8/6/08
		Date	Time	Received by: <i>Tina Davis</i> Signed: _____	Date	Time	Turn Around Time (please note): Standard X *3-Day *RUSH, mark below *Next Day *Same Day						
		Date	Time	Received by: <i>Tina Davis</i> Signed: _____	Date	Time	Remarks						
		Date	Time	Received in Laboratory by: Signed: _____	Date	Time	Refrigerated open receipt: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no Invoice # (LAB use only): <b>289107</b>						

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	July 2, 2013
Attention:	Ms. Jynalyn Redmond	Reference #	28967 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Method:	EPA Method 8270C	Analyst:	Hageman/Currence

## POLYNUCLEAR AROMATIC HYDROCARBONS

	LAB ID	Method			LAB ID		
Polynuclear Aromatics, ppm	Continued Calibration	Detection Limit, ppm	Analysis Date	Analysis Time	Standard Calibration	% Recovery	Target Range (%)
Acenaphthene	0.01773	0.001	6/28/13	1635	0.020	89%	70-130
Acenaphthylene	0.01794	0.001	6/28/13	1635	0.020	90%	70-130
Anthracene	0.01823	0.001	6/28/13	1635	0.020	91%	70-130
Benzo(a)anthracene	0.02492	0.001	6/28/13	1635	0.020	125%	70-130
Benzo(b)fluoranthene	0.01974	0.0001	6/28/13	1635	0.020	99%	70-130
Benzo(k)fluoranthene	0.02260	0.0001	6/28/13	1635	0.020	113%	70-130
Benzo(ghi)perylene	0.01847	0.0005	6/28/13	1635	0.020	92%	70-130
Benzo(a)pyrene	0.02055	0.0001	6/28/13	1635	0.020	103%	70-130
Chrysene	0.01661	0.0005	6/28/13	1635	0.020	83%	70-130
Dibenzo(ah)anthracene	0.01778	0.001	6/28/13	1635	0.020	89%	70-130
Fluoranthene	0.02362	0.001	6/28/13	1635	0.020	118%	70-130
Fluorene	0.01761	0.001	6/28/13	1635	0.020	88%	70-130
Indeno(1,2,3-cd)pyrene	0.01787	0.001	6/28/13	1635	0.020	89%	70-130
Naphthalene	0.01502	0.001	6/28/13	1635	0.020	75%	70-130
Phenanthrene	0.01669	0.001	6/28/13	1635	0.020	83%	70-130
Pyrene	0.02399	0.0005	6/28/13	1635	0.020	120%	70-130

BDL = Below Detection Limit  
All results expressed as PPM (mg/L)

*[Signature]* / QAQC

ADEM # 41470  
EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	July 2, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28967 QC
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

QC Matrix:	water	Analytical	
Date Received:	6/21/13	Analyst:	Kevin Doriety
Date Collected:	6/17-20/13	Date Analysis:	7/2/13
Sample Collector:	J. Partap	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		144617MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	144617MS	Recovery %		Conc.	Recovery	
Arsenic	BDL	0.329	91%	0.207	0.200	104%	

QC Matrix:	water	Analytical	
Date Received:	6/21/13	Analyst:	Kevin Doriety
Date Collected:	6/17-20/13	Date Analysis:	7/2/13
Sample Collector:	J. Partap	Method:	EPA Method 6010B

## METALLIC ANALYTES

	LAB ID		LAB ID				
	LAB ID		144617MS	LAB ID	LAB ID	LAB ID	
Analyte, mg/L	Reagent	LAB ID	Spike	IPC	IPC	IPC %	
as Total	Blank	144617MS	Recovery %		Conc.	Recovery	
Lead	BDL	0.134	NA*	0.200	0.200	100%	

\* Not Available due to high dilution

IPC = Instrument Performance Check

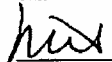
NA = Not Available

BDL = Below Detection Limit

MS = Matrix Spike

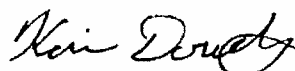
Detection Limit is Method Detection Limit

All results expressed as PPM mg/L of total analyte

 /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	4/15-18/13	Analyst:	M. Hageman
Date Collected:	4/15-17/13	Date of Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0745B	FM0060A	FM0106B	CV1282A	CV1282C	CV0313B	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, mg/Kg
	143033	143034	143035	143036	143037	143038	
Arsenic	5.6	4.2	5.9	5.3	9.6	6.8	1.0
Lead	162	160	97	56	192	173	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0423A	CV1013B	CV1225A	CV1066B	HP0311B	CV0516C	
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, mg/Kg
	143039	143040	143041	143042	143043	143044	
Arsenic	11.3	3.5	4.6	9.5	9.5	4.0	1.0
Lead	100	103	97	245	333	77	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	HP0234B	FM0296A	FM0296C	HP0063A	HP0064B		
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit, mg/Kg
	143045	143046	143047	143048	143049		
Arsenic	7.1	BDL	1.2	6.3	2.9		1.0
Lead	277	77	421	98	97		1.0

NA = Not Available  
BDL = Below Detection Limit  
Detection Limit is Reporting Limit  
All results expressed as PPM mg/Kg of total analyte

*hdx* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

BIHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

**# 28638**

Name Co.:

Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address:

4659 Huffman Road

Grady, AL 36036

Phone# / Cell#:

34-590-7010

E-mail:

jymalyn.redmond@amnetwork.com

PDF Results:

Fax #:

Client P.O. # E11105

CLIENT:

Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLER(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
--------	----------	----------------	----------------	-----------------------------	---------	------	-----	-----------------------------

143033	CV0745B	4/15/13	13:45	composite soil	X	X		1
143034	FM0060A	4/15/13	14:25	composite soil	X	X		1
143035	FM0106B	4/15/13	15:15	composite soil	X	X		1
143036	CV1282A	4/16/13	09:30	composite soil	X	X		1
143037	CV1282C	4/16/13	09:55	composite soil	X	X	X	1
143038	CV0313B	4/16/13	15:00	composite soil	X	X		1
143039	CV0423A	4/16/13	15:35	composite soil	X	X		1
143040	CV1013B	4/16/13	14:00	composite soil	X	X	X	1
143041	CV1225A	4/16/13	10:45	composite soil	X	X		1
143042	CV1066B	4/16/13	11:30	composite soil	X	X		1
143043	HP0311B	4/17/13	15:10	composite soil	X	X		1
143044	CV0516C	4/17/13	14:00	composite soil	X	X		1

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container:

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag

Relinquished by: Sampler

Date: 4/15/13 Time: 11:23

Signed: Kerma Davis

Date: 4/19/13 Time: 11:38

Turn Around Time (please note):

\*RUSH, mark below

\*3-Day \*2-Day \*Next Day \*Same Day

Last revised 8/6/08

Relinquished by:

Date: Time: Signed:

Date: Time: Signed:

Page 1 OF 2

Relinquished by:

Date: Time: Signed:

Date: Time: Signed:

Reference and use only: (A)B use only

28638

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	4/23/13
Date Received:	4/19/13	Analyst:	Hageman/Currence
Date Collected:	4/16-18/13	Date of Analysis:	4/25/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	CV1282C	CV1013B	FM0296C	HP0064B		
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit, ppm
	143037	143040	143047	143049		
Acenaphthene	BDL	BDL	BDL	BDL		0.050
Acenaphthylene	BDL	BDL	BDL	BDL		0.050
Anthracene	0.057	0.059	BDL	BDL		0.050
Benzo(a)anthracene	0.327	0.845	BDL	0.053		0.050
Benzo(b)fluoranthene	0.422	1.970	BDL	0.075		0.050
Benzo(k)fluoranthene	0.326	1.100	BDL	0.063		0.050
Benzo(ghi)perylene	0.317	1.790	BDL	0.068		0.050
Benzo(a)pyrene	0.408	1.620	0.054	0.076		0.050
Chrysene	0.411	1.250	0.062	0.077		0.050
Dibenzo(ah)anthracene	0.072	0.555	BDL	BDL		0.050
Fluoranthene	0.545	0.985	0.074	0.093		0.050
Fluorene	BDL	BDL	BDL	BDL		0.050
Indeno(1,2,3-cd)pyrene	0.261	1.470	BDL	0.052		0.050
Naphthalene	0.121	0.094	0.113	BDL		0.050
Phenanthrene	0.278	0.435	0.108	0.078		0.050
Pyrene	0.488	0.885	0.064	0.083		0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*hix* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	November 30, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27777
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	11/16/12	Analyst:	Kevin Doriety
Date Collected:	11/14-15/12	Date of Analysis:	11/28/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	FM0263B	FM0126B	FM0130A	FM0135B	FM0279A	FM0265B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139197	139198	139199	139200	139201	139202	Limit,mg/Kg
Arsenic	6.1	4.2	3.1	12	12	2.6	1.0
Lead	83	80	44	132	62	415	1.0
	FIELD ID	FIELD ID					
	FM0035B	FM0088A					
Analyte, mg/Kg	LAB ID	LAB ID					Detection
as Total	139203	139204					Limit,mg/Kg
Arsenic	1.5	2.9					1.0
Lead	32	95					1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MS* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	November 30, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27777
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	11/20/12
Date Received:	11/16/12	Analyst:	Hageman/Currence
Date Collected:	11/15/12	Date of Analysis:	11/21/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID						
	FM0088A						
Polynuclear	LAB ID						Detection
Aromatics, ppm	139204						Limit, ppm
Acenaphthene	BDL						0.050
Acenaphthylene	BDL						0.050
Anthracene	BDL						0.050
Benzo(a)anthracene	0.077						0.050
Benzo(b)fluoranthene	0.080						0.050
Benzo(k)fluoranthene	0.091						0.050
Benzo(ghi)perylene	BDL						0.050
Benzo(a)pyrene	0.081						0.050
Chrysene	0.131						0.050
Dibenzo(ah)anthracene	BDL						0.050
Fluoranthene	0.141						0.050
Fluorene	BDL						0.050
Indeno(1,2,3-cd)pyrene	BDL						0.050
Naphthalene	0.051						0.050
Phenanthrene	0.194						0.050
Pyrene	0.121						0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BIHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

CHAIN OF CUSTODY  
ANALYSIS REQUEST

SEND REPORT TO:

Name/Co.:

Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address:

4659 Huffman Road

City/State:

Grady, AL 36036

Phone# / Cell#:

34-590-7010

E-mail:

[jymalyn.redmond@qmcnetwork.com](mailto:jymalyn.redmond@qmcnetwork.com)

PDF Results:

yes

no

Fax #:

CLIENT: Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)
--------	----------	----------------	----------------	-----------------------------

139304	FM0131B	11/20	9:15am	composite soil	X	X						1
139305	FM0297A	11/19	3:05pm	composite soil	X	X						1
139306	FM0269B	11/19	2:10pm	composite soil	X	X						1

ANALYSIS REQUESTED / METHOD

Arsenic  
Lead  
PAH

Number of sample containers

Preservative: (a)HCL, (b)HNO<sub>3</sub>, (c)H<sub>2</sub>SO<sub>4</sub>, (d)NaOH, (e)Zn Acetate

Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (i) Tedlar bag

Containers:

Received by:

Date

Time

Signature

Turn Around Time (please note):

Standard

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks:

Last revised 8/6/08

Relinquished by: *[Signature]*

Date

Time

Signature

Received by:

Date

Time

Signature

Turn Around Time (please note):

Standard

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks:

Last revised 8/6/08

Relinquished by:

Date

Time

Signature

Received in Laboratory by:

Date

Time

Signature

Turn Around Time (please note):

Standard

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks:

Last revised 8/6/08

Signed:

Date

Time

Signature

Received in Laboratory by:

Date

Time

Signature

Turn Around Time (please note):

Standard

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks:

Last revised 8/6/08

Relinquished by:

Date

Time

Signature

Received in Laboratory by:

Date

Time

Signature

Turn Around Time (please note):

Standard

\*3-Day \*2-Day \*Next Day \*Same Day

Remarks:

Last revised 8/6/08

Relinquished upon receipt:

yes

no

Invoice # (LAB use only):

27801

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	November 30, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27801
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	11/20/12	Analyst:	Kevin Doriety
Date Collected:	11/19-20/12	Date of Analysis:	11/28/12
Sample Collector:	J.R./ R.N.	Method:	SW846 6010B


METALLIC ANALYTES						
	FIELD ID	FIELD ID	FIELD ID			
	FM0131B	FM0297A	FM0269B			
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID			Detection Limit,mg/Kg
	139304	139305	139306			
Arsenic	21	3.3	4.5			1.0
Lead	26	38	82			1.0

NA = Not Available

BDL = Below Detection Limit

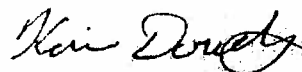
Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BRHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: sutlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

## SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@qemnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT:

Hare Wynn, Newell, Newton

PROJECT:

Walter Coke

SAMPLE(S):

Jymalyn Redmond, Ralph Norman

DATE DELIVERED:

ANALYSIS REQUESTED / METHOD

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	Number of sample containers
13Q43-T	CV0272B	11/27	12:53	composite soil	X	X		1
13Q43-8	CV0267B	11/27	14:45	composite soil	X	X		1
13Q43-9	CV0099B	11/28	10:29	composite soil	X	X		1
13Q44-0	CV0323B	11/28	13:09	composite soil	X	X		1
13Q44-1	CV0326B	11/28	14:09	composite soil	X	X		1
13Q44-2	CV0165B	11/24	2:35	composite soil	X	X		1
13Q44-3	CV0164A	11/24	1:30	composite soil	X	X		1
13Q44-4	CV0249A	11/24	3:22	composite soil	X	X		1
13Q44-5	CV0293A	11/28	9:05	composite soil	X	X		1
Preservative: (a) HCL, (b) HNO <sub>3</sub> , (c) H <sub>2</sub> SO <sub>4</sub> , (d) NaOH, (e) Zn Acetate					ice	ice		Last revised 8/6/08
Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag					g			
Relinquished by Sampler:		Date	Time	Received by:	Date	Time	Turn Around Time (please note):	
Signed: <i>[Signature]</i>		11/29/12	12:45	Signed:			Standard	
Relinquished by:		Date	Time	Received by:	Date	Time	Remarks:	
Signed:				Signed:			*3-Day *2-Day *Next Day *Same Day	
Relinquished by:		Date	Time	Received in Laboratory by:	Date	Time	Refrigerated upon receipt: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
Signed:				Signed: <i>[Signature]</i>	11/29/12	12:45	Invoice # (LAB use only) 27830	



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South

BHAM, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: suthlab@bellsouth.net

## CHAIN OF CUSTODY ANALYSIS REQUEST

### SEND REPORT TO:

Name/Co.: Jymalyn Redmond/ Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: jymalyn.redmond@gmcnetwork.com

PDF Results: yes no Fax #:

Client P.O. # E11105

CLIENT: Hare Wynn, Newell, Newton

PROJECT: Walter Coke

SAMPLE(S): Jymalyn Redmond, Ralph Norman

### DATE DELIVERED:

LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	Arsenic	Lead	PAH	ANALYSIS REQUESTED / METHOD	Number of sample containers
--------	----------	----------------	----------------	-----------------------------	---------	------	-----	-----------------------------	-----------------------------

130441

CV0327B 11/29/12 13:28 composite soil X X X 1

130447 CV0475B 11/29/12 9:23 composite soil X X 1

130448 CV0474A 11/29 9:53 composite soil X X 1

130449 CV0559B 11/29 11:11 composite soil X X 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

composite soil 1

Preservative: (a) HCL, (b) HNO<sub>3</sub>, (c) H<sub>2</sub>SO<sub>4</sub>, (d) NaOH, (e) Zn Acetate

Container type: (a) Amber, (g) Glass, (v) VOC Vial, (t) Tedlar bag

Preservative:

Container:

Relinquished by Sampler:

Received by:

Turn Around Time (please note):

Signed: *[Signature]*

Date: 11/29 Time: 12:45

Signed:

Date: Time:

Standard \*3-Day \*2-Day \*RUSH, mark below \*New Day \*Same Day

Relinquished by:

Received by:

Remarks:

Signed:

Date: Time:

Signed:

Date: Time:

Relinquished upon receipt: yes no

Relinquished by:

Received in Laboratory by:

Invoice # (LAB use only)

Signed:

Date: Time:

Signed:

Date: Time:

27830

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 3, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27830
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	11/29/12	Analyst:	Kevin Doriety
Date Collected:	11/26 - 28/12	Date of Analysis:	12/3/12
Sample Collector:	J.R./ R.N.	Method:	SW846 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0272B	CV0267B	CV0099B	CV0323B	CV0326B	CV0165B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139437	139438	139439	139440	139441	139442	Limit,mg/Kg
Arsenic	7.3	5.5	11	8.1	5.6	9.0	1.0
Lead	88	72	322	334	104	136	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0164A	CV0249A	CV0293A	CV0327B	CV0475B	CV0474A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139443	139444	139445	139446	139447	139448	Limit,mg/Kg
Arsenic	5.5	15	7.1	8.3	5.2	20	1.0
Lead	101	652	113	154	81	203	1.0
	FIELD ID						
	CV0559B						
Analyte, mg/Kg	LAB ID						Detection
as Total	139449						Limit,mg/Kg
Arsenic	4.3						1.0
Lead	280						1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MD* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 3, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27830
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	11/30/12
Date Received:	11/29/12	Analyst:	Hageman/Currence
Date Collected:	11/26 - 28/12	Date of Analysis:	12/1/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID				
	CV0327B	CV0559B				
Polynuclear Aromatics, ppm	LAB ID	LAB ID				Detection Limit, ppm
	139446	139449				
Acenaphthene	BDL	BDL				0.050
Acenaphthylene	BDL	BDL				0.050
Anthracene	BDL	BDL				0.050
Benzo(a)anthracene	0.380	BDL				0.050
Benzo(b)fluoranthene	0.770	0.064				0.050
Benzo(k)fluoranthene	0.535	0.083				0.050
Benzo(ghi)perylene	0.550	0.072				0.050
Benzo(a)pyrene	0.155	0.073				0.050
Chrysene	0.455	0.065				0.050
Dibenzo(ah)anthracene	0.180	BDL				0.050
Fluoranthene	0.465	0.065				0.050
Fluorene	BDL	BDL				0.050
Indeno(1,2,3-cd)pyrene	0.445	0.051				0.050
Naphthalene	BDL	BDL				0.050
Phenanthrene	0.175	BDL				0.050
Pyrene	0.405	0.065				0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

MKT / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

## Sutherland Environmental Read and Review Checklist

	Initial 1	Initial 2
1. Is the client and sample collector(s) accurately noted on report? <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>	<u>MJT</u>	<u>KH</u>
2. Is the date collected and date received accurately noted on report? <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
3. Is the purchase order ID (PO) and project ID accurately noted on report? <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
4. Is the method correct on report? <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
5. Does the Field ID(s) and the Lab ID(s) correspond to the chain of custody? <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
6. Does the following information on report correspond to the printout information from the analytical instrumentation:		
Sample Matrix <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
Analyst <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
Analysis Date/Time <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
Analyte concentration <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
Units <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
Dilution Factor <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
Detection Limit <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span> <span style="margin-left: 20px;"><input type="checkbox"/> NO</span>		
QC Reviewed: <span style="margin-left: 20px;"><input checked="" type="checkbox"/> YES</span>	<u>MJT</u>	<u>KH</u>

Notes / Misc.

PDF: J. Redmond

Invoice # 27830  
Sutherland Environmental Co., Inc.

Sutherland Environmental Company Inc.

**Sample Check-in Form**

<b>Date Received:</b> <u>11/29/12</u>	<b>Invoice #</b> <u>27830</u>
<b>Method of Delivery:</b> <u>Hand</u>	<b>Client:</b> <u>GM+C</u>

1. Did any containers arrive broken? .....	YES	<del>NO</del>	
* If so, please state field ID with analysis of broken sample(s) .....			
2. Were cooler(s) sealed upon arrival? .....	<del>YES</del>	NO	NA
3. Were the samples received at the proper temperature (4°C +/- 2°C)? ....	<del>YES</del>	NO	NA
4. Did a chain of custody accompany the samples? .....	<del>YES</del>	NO	
* Was it properly filled out? .....			
	<del>YES</del>	NO	
5. Were correct containers used for the analysis requested? .....	<del>YES</del>	NO	
6. Were all containers properly preserved? .....	YES	NO	<del>NA</del>
7. Were all water samples received at the proper pH? .....	YES	NO	<del>NA</del>
8. If VOA vials were present, was there any head space? .....	YES	NO	<del>NA</del>
* If so, please state field ID of deficient sample(s): .....			
9. Were all containers properly labeled and match chain of custody? .....	YES	<del>NO</del>	
10. Did containers arrive within holding time of analysis? .....	<del>YES</del>	NO	
* If not, please state field ID and analysis of sample(s) out of holding time: .....			
11. Was client informed of any/all deficiencies in sample check-in? .....	<del>YES</del>	NO	NA
12. Were any samples rejected? .....	YES	<del>NO</del>	
* If so, please state field ID of rejected sample(s): .....			

Sample Custodian (signed):

Jasha McNeely

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

PDF Results:

[iymalyn.redmond@qmcnetwork.com](mailto:iymalyn.redmond@qmcnetwork.com)

54-390-1010

E-mail: [jymalyn.redmond@gmcnetwork.com](mailto:jymalyn.redmond@gmcnetwork.com)

PDF Results:	
Yes	no
Fax #.	

DATE DELIVERED:[illegible]

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 11, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27837
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	11/30/12	Analyst:	Kevin Doriety
Date Collected:	11/27 & 29/12	Date of Analysis:	12/10/12
Sample Collector:	J.R./ R.N.	Method:	EPA 6010B

METALLIC ANALYTES						
	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	CV0588 B	HP0237 B	CV0665 A	CV0263 B		
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit,mg/Kg
	139494	139495	139496	139497		
Arsenic	4.9	18	10	3.3		1.0
Lead	100	575	147	119		1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*ms* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 12, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27876
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/6/12	Analyst:	Kevin Doriety
Date Collected:	12/4-5/12	Date of Analysis:	12/10/12
Sample Collector:	J.R./ R.N.	Method:	SW846 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0707B	CV0526C	CV0526D	CV0330A	CV0157C	FM0025C	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139676	139677	139678	139679	139680	139681	Limit,mg/Kg
Arsenic	6.1	9.9	6.1	15	5.8	3.8	1.0
Lead	240	69	102	193	101	75	1.0
	FIELD ID	FIELD ID	FIELD ID				
	FM0311A	FM0080C	CV0442B				
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID				Detection
as Total	139682	139683	139684				Limit,mg/Kg
Arsenic	4.0	1.1	3.9				1.0
Lead	44	140	97				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MS* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 12, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27876
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/10-11/12
Date Received:	12/6/12	Analyst:	Hageman/Currence
Date Collected:	12/4-5/12	Date of Analysis:	12/11/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID	FIELD ID			
	CV0707B	CV0526C	CV0442B			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	139676	139677	139684			
Acenaphthene	BDL	0.055	BDL			0.050
Acenaphthylene	BDL	BDL	BDL			0.050
Anthracene	0.090	0.085	BDL			0.050
Benzo(a)anthracene	0.250	0.415	0.080			0.050
Benzo(b)fluoranthene	0.335	0.645	0.110			0.050
Benzo(k)fluoranthene	0.210	0.270	0.075			0.050
Benzo(ghi)perylene	0.155	0.235	0.060			0.050
Benzo(a)pyrene	0.240	0.425	0.090			0.050
Chrysene	0.345	0.720	0.125			0.050
Dibenzo(ah)anthracene	0.055	0.105	BDL			0.050
Fluoranthene	0.500	0.635	0.195			0.050
Fluorene	BDL	0.060	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.135	0.235	BDL			0.050
Naphthalene	0.140	0.990	0.155			0.050
Phenanthrene	0.465	0.600	0.180			0.050
Pyrene	0.410	0.495	0.120			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/7/12	Analyst:	Kevin Doriety
Date Collected:	12/3 - 6/12	Date of Analysis:	12/11-12/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0108C	HP0108D	HP0196A	HP0070A	CV0641A	HP0276A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139702	139703	139704	139705	139706	139707	Limit,mg/Kg
Arsenic	14	25	7.5	15	15	18	1.0
Lead	351	201	656	164	148	109	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0286B	HP0012A	HP0067A	HP0022B	CV0640A	HP0095B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139708	139709	139710	139711	139712	139713	Limit,mg/Kg
Arsenic	16	4.0	13	12	24	13	1.0
Lead	225	109	195	91	168	85	1.0
	FIELD ID	FIELD ID	FIELD ID				
	CV0560B	CV0251A	CV0077B				
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID				Detection
as Total	139714	139715	139716				Limit,mg/Kg
Arsenic	7.0	12	6.1				1.0
Lead	273	584	402				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/13/12
Date Received:	12/7/12	Analyst:	Hageman/Currence
Date Collected:	12/3 - 6/12	Date of Analysis:	12/14/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0108D	HP0070A	CV0641A	HP0286B	HP0012A	CV0640A	
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
	139703	139705	139706	139708	139709	139712	Limit, ppm
Acenaphthene	BDL	BDL	BDL	0.051	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	0.056	BDL	0.055	0.050
Anthracene	BDL	BDL	0.065	0.190	BDL	0.075	0.050
Benzo(a)anthracene	0.187	BDL	0.288	0.535	0.087	0.276	0.050
Benzo(b)fluoranthene	0.211	BDL	0.428	0.645	0.116	0.515	0.050
Benzo(k)fluoranthene	0.195	BDL	0.288	0.605	0.115	0.362	0.050
Benzo(ghi)perylene	0.134	0.053	0.218	0.510	0.070	0.242	0.050
Benzo(a)pyrene	0.203	0.051	0.296	0.685	0.109	0.296	0.050
Chrysene	0.235	0.053	0.370	0.610	0.136	0.407	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	0.330	0.072	0.499	0.970	0.163	0.415	0.050
Fluorene	BDL	BDL	BDL	0.061	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	0.108	BDL	0.172	0.417	0.060	0.226	0.050
Naphthalene	0.079	BDL	0.116	0.132	0.093	0.163	0.050
Phenanthrene	0.205	0.071	0.355	0.765	0.149	0.398	0.050
Pyrene	0.273	0.068	0.404	0.755	0.134	0.382	0.050

BDL = Below Detection Limit

Detection limit is Practical Quantitation Limit

All results expressed as PPM (mg/kg)

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 17, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27884
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/13/12
Date Received:	12/7/12	Analyst:	Hageman/Currence
Date Collected:	12/3 - 6/12	Date of Analysis:	12/14/12
Sample Collector:	J.R./ R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID						
	CV0251A						
Polynuclear Aromatics, ppm	LAB ID						Detection Limit, ppm
	139715						
Acenaphthene	BDL						0.050
Acenaphthylene	0.174						0.050
Anthracene	0.191						0.050
Benzo(a)anthracene	1.200						0.050
Benzo(b)fluoranthene	1.410						0.050
Benzo(k)fluoranthene	1.170						0.050
Benzo(ghi)perylene	1.040						0.050
Benzo(a)pyrene	1.330						0.050
Chrysene	1.300						0.050
Dibenzo(ah)anthracene	BDL						0.050
Fluoranthene	2.210						0.050
Fluorene	BDL						0.050
Indeno(1,2,3-cd)pyrene	0.860						0.050
Naphthalene	0.140						0.050
Phenanthrene	0.950						0.050
Pyrene	1.920						0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 18, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27914
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/12/12	Analyst:	Kevin Doriety
Date Collected:	12/11-12/12	Date of Analysis:	12/18/12
Sample Collector:	J.R./ R.N.	Method:	SW846 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0195C	HP0128B	HP0141A	HP0103B	HP0107A	HP0262A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139818	139819	139820	139821	139822	139823	Limit,mg/Kg
Arsenic	5.8	4.1	11	17	17	8.0	1.0
Lead	1,290	128	122	122	100	71	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0179A	HP0306B	CV0446B	HP0294A	CV0223A	HP0421C	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	139824	139825	139826	139827	139828	139829	Limit,mg/Kg
Arsenic	11	7.7	7.0	8.4	9.3	3.7	1.0
Lead	164	114	179	97	297	367	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV0507B	CV0109A	CV0703A	CV0705B			
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID			Detection
as Total	139830	139831	139832	139833			Limit,mg/Kg
Arsenic	6.3	7.1	BDL	11			1.0
Lead	294	169	120	91			1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*hds* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500

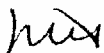


Client:	Goodwyn, Mills & Cawood	Report Date:	December 18, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27914
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/14/12
Date Received:	12/12/12	Analyst:	Hageman/Currence
Date Collected:	12/11-12/12	Date of Analysis:	12/14-15/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 8270D

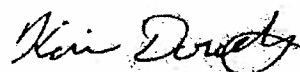
POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	HP0195C	HP0141A	HP0306B	CV0705B			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	139818	139820	139825	139833			
Acenaphthene	BDL	BDL	BDL	BDL			0.050
Acenaphthylene	BDL	BDL	BDL	BDL			0.050
Anthracene	BDL	BDL	BDL	BDL			0.050
Benzo(a)anthracene	0.124	0.065	0.107	0.133			0.050
Benzo(b)fluoranthene	0.323	0.094	0.107	0.146			0.050
Benzo(k)fluoranthene	0.157	0.083	0.112	0.119			0.050
Benzo(ghi)perylene	0.189	0.064	0.076	0.088			0.050
Benzo(a)pyrene	0.210	0.078	0.126	0.140			0.050
Chrysene	0.193	0.107	0.132	0.153			0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL			0.050
Fluoranthene	0.179	0.120	0.224	0.176			0.050
Fluorene	BDL	BDL	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.158	0.061	0.065	0.078			0.050
Naphthalene	0.057	0.069	0.054	0.131			0.050
Phenanthrene	0.090	0.096	0.160	0.170			0.050
Pyrene	0.159	0.101	0.164	0.177			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



**Sutherland**

Environmental Company, Inc.

2515 5th Avenue South

B'ham, AL 35233

PHONE (205)581-9500 FAX (205)581-9504

E-Mail: [suthlab@bellsouth.net](mailto:suthlab@bellsouth.net)

**CHAIN OF CUSTODY  
ANALYSIS REQUEST**

**SEND REPORT TO:**

Name/Co.: Jymalyn Redmond/Goodwyn, Mills, Cawood

Address: 4659 Huffman Road

Grady, AL 36036

Phone# / Cell#: 34-590-7010

E-mail: [jymalyn.redmond@gmcnetwork.com](mailto:jymalyn.redmond@gmcnetwork.com)

PDF Results: yes no Fax #:

Client P.O. # E1105

CLIENT: Hare Wynn, Newell, Newton		PROJECT: Walter Coke		SAMPLER(S): Jymalyn Redmond, Ralph Norman							
DATE DELIVERED: 12-13-12											
LAB ID	FIELD ID	DATE Collected	TIME Collected	SAMPLE DESCRIPTION (matrix)	ANALYSIS REQUESTED / METHOD						
139843	FM0199B	12/13	10:46am	composite soil	<table border="1"> <tr> <td>Arsenic</td> <td>Lead</td> <td>PAH</td> </tr> <tr> <td>X</td> <td>X</td> <td></td> </tr> </table>	Arsenic	Lead	PAH	X	X	
Arsenic	Lead	PAH									
X	X										
					Number of sample containers						
					1						
Preservative: (a)HCL, (b)HNO <sub>3</sub> , (c)H <sub>2</sub> SO <sub>4</sub> , (d)NaOH, (e)Zn Acetate Container type: (a) Amber, (g) Glass, (p) Plastic, (v) VOC Vial, (t) Tedlar bag Container: ice ice Relinquished by: <i>[Signature]</i> Date: 12-13 Time: 11:55am Received by: <i>[Signature]</i> Date: 12/13/12 Time: 1155 Relinquished by: <i>[Signature]</i> Date: <i>[Blank]</i> Time: <i>[Blank]</i> Received in Laboratory by: <i>[Signature]</i> Date: 12/13/12 Time: 1155 Invoice # (LAB use only): 27923											

27923



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 18, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27923
Address:	4659 Huffinan Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/13/12	Analyst:	Kevin Doriety
Date Collected:	12/13/12	Date of Analysis:	12/18/12
Sample Collector:	J.R./ R.N.	Method:	SW846 6010B

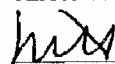
METALLIC ANALYTES							
	FIELD ID						
	FM0199B						
Analyte, mg/Kg	LAB ID						Detection
as Total	139843						Limit,mg/Kg
Arsenic	9.0						1.0
Lead	205						1.0

NA = Not Available

BDL = Below Detection Limit

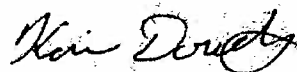
Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 26, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27966
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/20/12	Analyst:	MSH
Date Collected:	12/19/12	Date of Analysis:	12/21/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS001	THS002	THS003	THS004	THS005	THS006	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	140006	140007	140008	140009	140010	140011	Limit,mg/Kg
Arsenic	8.0	10	12	8.4	7.2	3.0	1.0
Lead	62	66	57	46	39	69	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS007	THS008	THS009	THS010	THS011	THS012	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	140012	140013	140014	140015	140016	140017	Limit,mg/Kg
Arsenic	28	17	32	24	23	7.4	1.0
Lead	669	3,989	191	164	166	39	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 26, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27966
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/20/12	Analyst:	MSH
Date Collected:	12/19/12	Date of Analysis:	12/21/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS013	THS014	THS015	THS016	THS017	THS018	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	140018	140019	140020	140021	140022	140023	Limit,mg/Kg
Arsenic	8.6	16	10	7.7	15	8.7	1.0
Lead	53	138	41	114	180	131	1.0
	FIELD ID	FIELD ID					
	THS019	THS020					
Analyte, mg/Kg	LAB ID	LAB ID					Detection
as Total	140024	140025					Limit,mg/Kg
Arsenic	7.0	6.4					1.0
Lead	44	26					1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MSH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

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Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 26, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27966
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/20/12
Date Received:	12/20/12	Analyst:	Hageman/Currence
Date Collected:	12/19/12	Date of Analysis:	12/21/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS001	THS002	THS003	THS004	THS005	THS006	
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, ppm
	140006	140007	140008	140009	140010	140011	
Acenaphthene	0.170	0.115	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	0.055	BDL	BDL	BDL	BDL	BDL	0.050
Anthracene	0.300	0.175	BDL	BDL	BDL	BDL	0.050
Benzo(a)anthracene	1.020	0.825	0.060	0.125	BDL	BDL	0.050
Benzo(b)fluoranthene	0.630	0.655	0.055	0.160	BDL	BDL	0.050
Benzo(k)fluoranthene	0.810	0.575	0.065	0.120	BDL	BDL	0.050
Benzo(ghi)perylene	0.600	0.450	0.085	0.095	BDL	BDL	0.050
Benzo(a)pyrene	0.955	0.715	0.080	0.140	BDL	BDL	0.050
Chrysene	0.935	0.710	0.070	0.135	BDL	BDL	0.050
Dibenzo(ah)anthracene	0.205	BDL	BDL	BDL	BDL	BDL	0.050
Fluoranthene	1.960	1.630	0.090	0.215	BDL	BDL	0.050
Fluorene	0.175	0.115	BDL	BDL	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	0.500	0.415	0.065	0.080	BDL	BDL	0.050
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Phenanthrene	1.290	0.810	BDL	0.075	BDL	BDL	0.050
Pyrene	1.420	1.250	0.080	0.175	BDL	BDL	0.050

BDL = Below Detection Limit

Detection Limit is Practical Quantitation Limit

All results expressed as PPM (mg/kg)

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 26, 2012
Attention:	Ms. Jymalyu Redmond	Reference #	27966
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/21/12
Date Received:	12/20/12	Analyst:	Hageman/Currence
Date Collected:	12/19/12	Date of Analysis:	12/21-22/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS007	THS008	THS009	THS010	THS011	THS012	
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, ppm
	140012	140013	140014	140015	140016	140017	
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	0.145	BDL	BDL	BDL	0.050
Anthracene	BDL	BDL	0.065	BDL	0.075	BDL	0.050
Benzo(a)anthracene	BDL	0.065	0.160	0.095	0.350	0.140	0.050
Benzo(b)fluoranthene	BDL	0.105	0.150	0.145	0.260	0.230	0.050
Benzo(k)fluoranthene	BDL	0.085	0.200	0.130	0.300	0.180	0.050
Benzo(ghi)perylene	BDL	0.060	0.125	0.100	0.240	0.135	0.050
Benzo(a)pyrene	BDL	0.075	0.150	0.130	0.355	0.170	0.050
Chrysene	0.055	0.090	0.190	0.135	0.345	0.190	0.050
Dibenzo(ah)anthracene	BDL	BDL	0.055	BDL	0.070	BDL	0.050
Fluoranthene	0.180	0.130	0.355	0.190	0.640	0.225	0.050
Fluorene	BDL	BDL	0.100	BDL	BDL	BDL	0.050
Indeno(1,2,3-cd)pyrene	BDL	BDL	0.100	0.080	0.205	0.110	0.050
Naphthalene	BDL	BDL	BDL	BDL	0.050	0.060	0.050
Phenanthrene	0.080	0.075	0.500	0.105	0.360	0.135	0.050
Pyrene	0.125	0.110	0.270	0.160	0.480	0.200	0.050

BDL = Below Detection Limit

Detection limit is Practical Quantitation Limit

All results expressed as PPM (mg/kg)

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 26, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27966
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/21/12
Date Received:	12/20/12	Analyst:	Hageman/Currence
Date Collected:	12/19/12	Date of Analysis:	12/22/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS013	THS014	THS015	THS016	THS017	THS018	
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, ppm
	140018	140019	140020	140021	140022	140023	
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	0.110	BDL	0.050
Anthracene	BDL	BDL	BDL	BDL	0.110	BDL	0.050
Benzo(a)anthracene	BDL	0.185	BDL	0.070	0.400	0.055	0.050
Benzo(b)fluoranthene	0.060	0.335	BDL	0.115	0.375	0.070	0.050
Benzo(k)fluoranthene	0.070	0.235	BDL	0.080	0.455	0.050	0.050
Benzo(ghi)perylene	BDL	0.170	BDL	0.070	0.350	BDL	0.050
Benzo(a)pyrene	BDL	0.230	BDL	0.085	0.450	0.050	0.050
Chrysene	0.130	0.265	BDL	0.100	0.575	0.065	0.050
Dibenzo(ah)anthracene	BDL	BDL	BDL	BDL	0.105	BDL	0.050
Fluoranthene	0.530	0.290	BDL	0.135	0.695	0.090	0.050
Fluorene	BDL	BDL	BDL	BDL	0.100	BDL	0.050
Indeno(1,2,3-cd)pyrene	BDL	0.130	BDL	0.060	0.260	BDL	0.050
Naphthalene	BDL	BDL	BDL	BDL	0.055	BDL	0.050
Phenanthrene	0.185	0.080	BDL	0.060	0.450	0.055	0.050
Pyrene	0.350	0.280	BDL	0.110	0.605	0.085	0.050

BDL = Below Detection Limit

Detection limit is Practical Quantitation Limit

All results expressed as PPM (mg/kg)

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 16, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27966
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	12/21/12
Date Received:	12/20/12	Analyst:	Hageman/Currence
Date Collected:	12/19/12	Date of Analysis:	12/22/12
Sample Collector:	J.R. / R.N.	Method:	EPA Method 8270D

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID					
	THS019	THS020					
Polynuclear Aromatics, ppm	LAB ID	LAB ID					Detection Limit, ppm
	140024	140025					
Acenaphthene	BDL	0.205					0.050
Acenaphthylene	BDL	BDL					0.050
Anthracene	BDL	0.160					0.050
Benzo(a)anthracene	0.135	0.520					0.050
Benzo(b)fluoranthene	0.170	0.600					0.050
Benzo(k)fluoranthene	0.125	0.485					0.050
Benzo(ghi)perylene	0.100	0.375					0.050
Benzo(a)pyrene	0.140	0.560					0.050
Chrysene	0.150	0.575					0.050
Dibenzo(ah)anthracene	BDL	0.130					0.050
Fluoranthene	0.255	1.200					0.050
Fluorene	BDL	0.165					0.050
Indeno(1,2,3-cd)pyrene	0.090	0.350					0.050
Naphthalene	BDL	BDL					0.050
Phenanthrene	0.135	0.850					0.050
Pyrene	0.195	0.895					0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

MK / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services





# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 28, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27991
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/21/12	Analyst:	Kevin Doriety
Date Collected:	12/21/12	Date of Analysis:	12/27-28/12
Sample Collector:	D.J.S./ M.B.	Method:	SW846 6010B/7471A

METALLIC ANALYTES							
	FIELD ID	FIELD ID					
	THS022	THS025					
Analyte, mg/Kg	LAB ID	LAB ID					Detection
as Total	140106	140109					Limit,mg/Kg
Arsenic	11	24					1.0
Barium	50	245					1.0
Cadmium	BDL	1.8					1.0
Chromium	14	28					1.0
Lead	125	1,030					1.0
Mercury	BDL	BDL					1.0
Selenium	BDL	5.3					1.0
Silver	BDL	BDL					1.0

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	December 28, 2012
Attention:	Ms. Jymalyn Redmond	Reference #	27991
Address:	4659 Huffman Rd.	P.O. #	EBHM121004
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	12/21/12	Analyst:	Kevin Doriety
Date Collected:	12/21/12	Date of Analysis:	12/27/12
Sample Collector:	D.J.S./ M.B.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	THS021	THS023	THS024	THS026	THS027	THS028	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	140105	140107	140108	140110	140111	140112	Limit,mg/Kg
Arsenic	16	37	15	9.3	11	41	1.0
Lead	174	175	270	279	218	730	1.0
	FIELD ID	FIELD ID	FIELD ID				
	THS029	THS030	THS031				
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID				Detection
as Total	140113	140114	140115				Limit,mg/Kg
Arsenic	12	34	29				1.0
Lead	282	229	281				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28402
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/26/13	Date of Analysis:	3/21/13
Sample Collector:	N.B.C/ B.B.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0026A	HP0240B	HP0164B	HP0069B	CV0755C	CV0754B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141893	141894	141895	141896	141897	141898	Limit,mg/Kg
Arsenic	2.1	18	16	12	6.0	12	1.0
Lead	82	139	285	148	368	152	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0956C	CV0835A	FM0225B	CV0045A	CV0047A	CV0118A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141899	141900	141901	141902	141903	141904	Limit,mg/Kg
Arsenic	13	7.5	17	8.6	10	9.5	1.0
Lead	361	119	62	11	511	636	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV0134A	CV0195B	CV0497B	CV0046B			
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID			Detection
as Total	141905	141906	141907	141908			Limit,mg/Kg
Arsenic	2.7	12	5.1	7.7			1.0
Lead	75	485	814	465			1.0

NA = Not Available  
BDL = Below Detection Limit  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/Kg of total analyte

*MT* /QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28402
Address:	4659 Huffinan Rd.	P.O. #	F11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	3/11/13
Date Received:	3/7/13	Analyst:	Hageman/Currence
Date Collected:	2/26/13	Date of Analysis:	3/12/13
Sample Collector:	N.B.C./ B.B.	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID					
	HP0069B	CV0755C					
Polynuclear Aromatics, ppm	LAB ID	LAB ID					Detection Limit, ppm
	141896	141897					
Acenaphthene	BDL	BDL					0.050
Acenaphthylene	BDL	BDL					0.050
Anthracene	BDL	BDL					0.050
Benzo(a)anthracene	0.055	BDL					0.050
Benzo(b)fluoranthene	0.147	BDL					0.050
Benzo(k)fluoranthene	0.100	BDL					0.050
Benzo(ghi)perylene	BDL	BDL					0.050
Benzo(a)pyrene	0.107	BDL					0.050
Chrysene	0.120	0.063					0.050
Dibenzo(ah)anthracene	BDL	BDL					0.050
Fluoranthene	0.089	BDL					0.050
Fluorene	BDL	BDL					0.050
Indeno(1,2,3-cd)pyrene	0.072	BDL					0.050
Naphthalene	0.154	0.075					0.050
Phenanthrene	0.131	0.072					0.050
Pyrene	0.108	BDL					0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Dority*

Kevin Dority  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client: Goodwyn, Mills & Cawood	Report Date: March 26, 2013
Attention: Ms. Jymalyn Redmond	Reference #: 28403
Address: 4659 Huffman Rd.	P.O. #: E11105
Grady, AL 36036	Project ID: Walter Coke

Sample Matrix: soil	Analytical
Date Received: 3/7/13	Analyst: Kevin Doriety
Date Collected: 2/27/13	Date of Analysis: 3/22-25/13
Sample Collector: C.S./B.B.	Method: EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	FM0129C	CV0740A	CV0078C	CV0274A	CV0491B	CV0530A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141909	141910	141911	141912	141913	141914	Limit,mg/Kg
Arsenic	8.1	10	4.4	8.4	2.3	5.3	1.0
Lead	59	79	164	71	43	99	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0149A	CV0568A	CV0337B	CV0300A	CV0379A	CV0386B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141915	141916	141917	141918	141919	141920	Limit,mg/Kg
Arsenic	9.2	10	2.9	3.3	12	12	1.0
Lead	145	64	122	129	170	279	1.0
	FIELD ID	FIELD ID					
	CV0398B	CV0402A					
Analyte, mg/Kg	LAB ID	LAB ID					Detection
as Total	141921	141922					Limit,mg/Kg
Arsenic	6.6	9.5					1.0
Lead	63	91					1.0

NA = Not Available  
BDL = Below Detection Limit  
Detection Limit is Method Detection Limit  
All results expressed as PPM mg/Kg of total analyte

*MJS* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	March 26, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28403
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	3/11/13
Date Received:	3/7/13	Analyst:	Hageman/Currence
Date Collected:	2/27/13	Date of Analysis:	3/12/13
Sample Collector:	C.S./B.B.	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID					
	FM0129C	CV0398B					
Polynuclear Aromatics, ppm	LAB ID	LAB ID					Detection Limit, ppm
	141909	141921					
Acenaphthene	BDL	BDL					0.050
Acenaphthylene	0.090	BDL					0.050
Anthracene	0.096	BDL					0.050
Benzo(a)anthracene	0.409	BDL					0.050
Benzo(b)fluoranthene	0.483	BDL					0.050
Benzo(k)fluoranthene	0.545	BDL					0.050
Benzo(ghi)perylene	0.338	BDL					0.050
Benzo(a)pyrene	0.580	BDL					0.050
Chrysene	0.560	BDL					0.050
Dibenzo(ah)anthracene	0.094	BDL					0.050
Fluoranthene	0.875	BDL					0.050
Fluorene	BDL	BDL					0.050
Indeno(1,2,3-cd)pyrene	0.332	BDL					0.050
Naphthalene	0.144	BDL					0.050
Phenanthrene	0.389	BDL					0.050
Pyrene	0.705	BDL					0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

MKT / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 1, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28404
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	3/7/13	Analyst:	Kevin Doriety
Date Collected:	2/27-28/13	Date of Analysis:	3/25-28/13 & 4/1/13
Sample Collector:	C.S./ B.B.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0944A	CV0402B	CV0231A	CV0275A	CV0724A	HP0330A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141923	141924	141925	141926	141927	141928	Limit,mg/Kg
Arsenic	13	4.7	7.0	6.0	6.2	6.1	1.0
Lead	215	340	455	51	56	66	1.0
	FIELD ID	FIELD ID					
	HP0008B	HP0329C					
Analyte, mg/Kg	LAB ID	LAB ID					Detection
as Total	141929	141930					Limit,mg/Kg
Arsenic	11	8.5					1.0
Lead	188	151					1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*MDT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 1, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28404
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	3/11/13
Date Received:	3/7/13	Analyst:	Hageman/Currence
Date Collected:	2/28/13	Date of Analysis:	3/12/13
Sample Collector:	C.S./B.B.	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID						
	HP0008B						
Polynuclear Aromatics, ppm	LAB ID						Detection Limit, ppm
	141929						
Acenaphthene	BDL						0.050
Acenaphthylene	BDL						0.050
Anthracene	BDL						0.050
Benzo(a)anthracene	0.063						0.050
Benzo(b)fluoranthene	0.143						0.050
Benzo(k)fluoranthene	0.094						0.050
Benzo(ghi)perylene	0.085						0.050
Benzo(a)pyrene	0.115						0.050
Chrysene	0.131						0.050
Dibenzo(ah)anthracene	BDL						0.050
Fluoranthene	0.094						0.050
Fluorene	BDL						0.050
Indeno(1,2,3-cd)pyrene	0.063						0.050
Naphthalene	0.159						0.050
Phenanthrene	0.096						0.050
Pyrene	0.086						0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MKT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/4-6/13	Date of Analysis:	3/28/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	HP0068A	HP0097A	HP0313A	CV0333B	CV0193A	CV0079A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141976	141977	141978	141979	141980	141981	Limit,mg/Kg
Arsenic	13	9.0	7.7	6.5	13	7.7	1.0
Lead	112	114	262	143	13	131	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0793A	CV0588B	CV0632A	CV0552A	CV0399B	CV0277B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141982	141983	141984	141985	141986	141987	Limit,mg/Kg
Arsenic	40	1.3	10	6.2	6.8	7.2	1.0
Lead	166	50	294	218	313	75	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0339B	CV00341B	CV0628A	CV0713B	CV0144B	FM0116A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141988	141989	141990	141991	141992	141993	Limit,mg/Kg
Arsenic	10	27	8.1	9.3	12	22	1.0
Lead	259	307	95	43	328	122	1.0

Detection Limit is Method Detection Limit  
All results expressed as PPM mg/Kg of total analyte

EPA Laboratory ID AL01084

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	3/6/13	Date of Analysis:	4/2/13
Sample Collector:	C.T./ J.R.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID				
	CV0683C	CV0683A	CV0684C				
Analyte, mg/Kg as Total	LAB ID	LAB ID	LAB ID				Detection Limit,mg/Kg
	141994	141995	141996				
Arsenic	4.4	4.2	4.5				1.0
Lead	71	119	91				1.0

Detection Limit is Method Detection Limit  
All results expressed as PPM mg/Kg of total analyte

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28416
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	3/12/13
Date Received:	3/8/13	Analyst:	Hageman/Currence
Date Collected:	3/4-6/13	Date of Analysis:	3/12-13/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	HP0313A	CV0793A	CV0628A	FM0116A	CV0684C		
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit, ppm
	141978	141982	141990	141993	141996		
Acenaphthene	BDL	BDL	BDL	BDL	BDL		0.050
Acenaphthylene	0.191	BDL	BDL	0.094	BDL		0.050
Anthracene	0.175	BDL	BDL	0.118	0.104		0.050
Benzo(a)anthracene	0.458	0.087	BDL	0.350	0.269		0.050
Benzo(b)fluoranthene	0.436	0.128	0.053	0.389	0.269		0.050
Benzo(k)fluoranthene	0.488	0.104	BDL	0.454	0.175		0.050
Benzo(ghi)perylene	0.363	BDL	BDL	0.319	0.199		0.050
Benzo(a)pyrene	0.555	0.171	BDL	0.450	0.285		0.050
Chrysene	0.525	0.156	BDL	0.515	0.389		0.050
Dibenzo(ah)anthracene	0.096	BDL	BDL	BDL	BDL		0.050
Fluoranthene	0.710	0.167	0.072	0.745	0.515		0.050
Fluorene	BDL	BDL	BDL	BDL	0.052		0.050
Indeno(1,2,3-cd)pyrene	0.361	0.091	BDL	0.234	0.179		0.050
Naphthalene	0.660	0.238	BDL	0.226	0.780		0.050
Phenanthrene	0.550	0.279	0.056	0.400	0.695		0.050
Pyrene	0.660	0.154	0.054	0.605	0.406		0.050

BDL = Below Detection Limit

Detection limit is Practical Quantitation Limit

All results expressed as PPM (mg/kg)

*MT* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28417
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	3/8/13	Analyst:	Kevin Doriety
Date Collected:	1/10-16/13	Date of Analysis:	4/2/13
Sample Collector:	C.T./J.R.	Method:	EPA Method 6010B

## METALLIC ANALYTES

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0888A	CV0739C	CV0548A	CV0493A	CV0334A	CV0179B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	141997	141998	141999	142000	142001	142002	Limit,mg/Kg
Arsenic	8.9	6.7	5.7	2.5	1.6	4.2	1.0
Lead	99	82	97	69	32	95	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0106A	CV0819B	FM0012A	FM0014B	FM0281B	HP0194A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142003	142004	142005	142006	142007	142008	Limit,mg/Kg
Arsenic	8.7	7.3	3.8	6.8	5.6	9.3	1.0
Lead	203	142	96	330	140	135	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	CV0433B	CV0635B	HP0119B	HP0233A	HP0231A		
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection
as Total	142009	142010	142011	142012	142013		Limit,mg/Kg
Arsenic	3.5	13	4.4	6.7	5.6		1.0
Lead	106	356	74	98	106		1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*mt* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28447
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Analytical	
Date Received:	3/15/13	Analyst:	Kevin Doriety
Date Collected:	3/12-14/13	Date of Analysis:	4/8-9/13
Sample Collector:	N. Berrios/ R. Stubbs	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0614B	CV0150B	CV0169B	CV0227A	HP0021B	HP0047A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142151	142152	142153	142154	142155	142156	Limit,mg/Kg
Arsenic	1.9	3.0	10	8.8	10	4.8	1.0
Lead	127	134	549	342	243	40	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0578B	CV0579B	CV0200A	CV0843A	CV0826A	CV1151A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142157	142158	142159	142160	142161	142162	Limit,mg/Kg
Arsenic	5.7	1.5	6.7	6.7	6.2	7.0	1.0
Lead	138	1130	266	64	112	348	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0353A	CV0865B	CV0770B	CV0766A	CV0968B	CV0292A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142163	142164	142165	142166	142167	142168	Limit,mg/Kg
Arsenic	9.1	6.9	5.9	72	6.4	1.6	1.0
Lead	158	209	102	237	47	95	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

*hix* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28447
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Extraction Date:	3/25/13
Date Received:	3/15/13	Analyst:	Hageman/Currence
Date Collected:	3/12-14/13	Date of Analysis:	3/26-27/13
Sample Collector:	N. Berrios/ R. Stubbs	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0614B	CV0150B	HP0021B	CV0843A	CV0865B	CV0968B	
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection Limit, ppm
	142151	142152	142155	142160	142164	142167	
Acenaphthene	BDL	BDL	BDL	BDL	BDL	BDL	0.050
Acenaphthylene	BDL	BDL	BDL	BDL	BDL	0.220	0.050
Anthracene	BDL	BDL	BDL	BDL	0.067	0.165	0.050
Benzo(a)anthracene	0.180	0.293	0.118	0.489	0.680	0.505	0.050
Benzo(b)fluoranthene	0.200	0.313	0.111	0.885	0.321	0.650	0.050
Benzo(k)fluoranthene	0.144	0.202	0.081	0.515	0.352	0.680	0.050
Benzo(ghi)perylene	0.141	0.154	BDL	0.540	0.188	0.505	0.050
Benzo(a)pyrene	0.223	0.275	0.152	0.670	0.461	0.595	0.050
Chrysene	0.225	0.330	0.192	0.570	0.530	0.755	0.050
Dibenzo(ah)anthracene	BDL	0.075	BDL	0.229	BDL	0.190	0.050
Fluoranthene	0.237	0.448	0.168	0.396	0.795	1.580	0.050
Fluorene	BDL	BDL	BDL	BDL	BDL	0.080	0.050
Indeno(1,2,3-cd)pyrene	0.113	0.152	BDL	0.482	0.172	0.435	0.050
Naphthalene	BDL	0.248	BDL	BDL	0.630	BDL	0.050
Phenanthrene	0.195	0.425	0.288	0.164	1.360	1.930	0.050
Pyrene	0.197	0.417	0.175	0.377	0.765	1.170	0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*hdx* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doricy*

Kevin Doricy  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 16, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28474
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc.

Sample Matrix:	soil	Analytical	
Date Received:	3/22/13	Analyst:	Kevin Doriety
Date Collected:	3/20-22/13	Date of Analysis:	4/15-16/13
Sample Collector:	N.B. / R.S.	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0876A	CV0833B	CV0763A	FM0168A	CV0368B	FM0312C	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142274	142275	142276	142277	142278	142279	Limit,mg/Kg
Arsenic	10	11	8.6	6.9	9.3	4.2	1.0
Lead	319	211	167	172	146	53	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0092A	CV0090B	CV0663B	FM0017A	FM0017D	CV0443B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142280	142281	142282	142283	142284	142285	Limit,mg/Kg
Arsenic	4.6	22	13	12	11	11	1.0
Lead	77	264	212	140	72	179	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	CV0476A	CV0566B	HP0084A	HP0084C	CV0664A		
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection
as Total	142286	142287	142288	142289	142290		Limit,mg/Kg
Arsenic	24	3.5	15	20	9.2		1.0
Lead	129	98	150	132	57		1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Method Detection Limit

All results expressed as PPM mg/Kg of total analyte

Respectfully submitted,

*MKT* / QAQC

EPA Laboratory ID AL01084

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	April 16, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28474
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc.

Sample Matrix:	soil	Extraction Date:	3/27/13
Date Received:	3/22/13	Analyst:	Hageman/Currence
Date Collected:	3/20-21/13	Date of Analysis:	3/27/13
Sample Collector:	NB / RS	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV0876A	FM0168A	CV0368B	FM0017A			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	142274	142277	142278	142283			
Acenaphthene	BDL	BDL	BDL	BDL			0.050
Acenaphthylene	0.160	0.150	BDL	BDL			0.050
Anthracene	0.225	0.175	0.075	0.080			0.050
Benzo(a)anthracene	0.650	0.400	0.205	0.440			0.050
Benzo(b)fluoranthene	0.925	0.555	0.220	0.435			0.050
Benzo(k)fluoranthene	0.555	0.360	0.170	0.385			0.050
Benzo(ghi)perylene	0.460	0.365	0.135	0.280			0.050
Benzo(a)pyrene	0.660	0.410	0.155	0.440			0.050
Chrysene	0.790	0.505	0.215	0.550			0.050
Dibenzo(ah)anthracene	0.125	0.060	BDL	0.060			0.050
Fluoranthene	0.925	0.715	0.275	0.600			0.050
Fluorene	BDL	BDL	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.415	0.250	0.080	0.205			0.050
Naphthalene	0.620	BDL	BDL	0.215			0.050
Phenanthrene	0.950	0.675	0.270	0.590			0.050
Pyrene	0.840	0.550	0.230	0.500			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

MKT / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

*Quality Environmental Analytical Services*



# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500

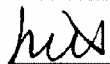


Client:	Goodwyn, Mills & Cawood	Report Date:	April 30, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28553
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	4/9/13
Date Received:	4/5/13	Analyst:	Hageman/Currence
Date Collected:	4/1-3/13	Date of Analysis:	4/9/13
Sample Collector:	R. Stubbs/ C. Troiano	Method:	EPA Method 8270C

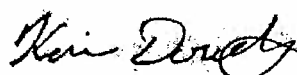
POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID			
	CV0501B	HP0167B	CV1254C	CV0741C			
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID			Detection Limit, ppm
	142571	142575	142581	142583			
Acenaphthene	BDL	BDL	BDL	BDL			0.050
Acenaphthylene	BDL	BDL	BDL	BDL			0.050
Anthracene	0.110	BDL	0.215	BDL			0.050
Benzo(a)anthracene	0.335	0.085	0.630	BDL			0.050
Benzo(b)fluoranthene	0.370	BDL	0.590	BDL			0.050
Benzo(k)fluoranthene	0.305	BDL	0.585	BDL			0.050
Benzo(ghi)perylene	0.230	BDL	0.570	BDL			0.050
Benzo(a)pyrene	0.360	BDL	0.645	BDL			0.050
Chrysene	0.360	0.110	0.575	0.090			0.050
Dibenzo(ah)anthracene	BDL	BDL	0.165	BDL			0.050
Fluoranthene	0.465	0.125	0.900	0.100			0.050
Fluorene	BDL	BDL	BDL	BDL			0.050
Indeno(1,2,3-cd)pyrene	0.215	BDL	0.410	BDL			0.050
Naphthalene	0.140	BDL	0.210	BDL			0.050
Phenanthrene	0.290	0.170	0.940	0.095			0.050
Pyrene	0.480	0.110	0.815	0.075			0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

 / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,



Kevin Dority  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28598
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Analytical	
Date Received:	4/12/13	Analyst:	Kevin Doriety
Date Collected:	4/8-9/13	Date of Analysis:	5/1-2/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0637A	CV0637C	FM0117A	FM0117D	FM0114A	CV1338B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142824	142825	142826	142827	142828	142829	Limit,mg/Kg
Arsenic	6.5	7.7	4.0	4.8	5.0	7.5	1.0
Lead	180	175	88	90	126	233	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV1337A	CV0928B	CV0675A	HP0140B	HP0142A	HP0283C	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142830	142831	142832	142833	142834	142835	Limit,mg/Kg
Arsenic	9.2	12	16	12	14	8.4	1.0
Lead	131	179	181	149	238	142	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28598
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Analytical	
Date Received:	4/12/13	Analyst:	Kevin Doriety
Date Collected:	4/10-12/13	Date of Analysis:	5/2/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0318A	CV0886A	CV0050B	CV0133A	CV0661A	HP0202C	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	142836	142837	142838	142839	142840	142841	Limit,mg/Kg
Arsenic	5.6	13	9.8	8.2	3.7	9.1	1.0
Lead	349	370	262	188	128	475	1.0
	FIELD ID	FIELD ID					
	HP0083B	CV0676A					
Analyte, mg/Kg	LAB ID	LAB ID					Detection
as Total	142842	142843					Limit,mg/Kg
Arsenic	8.2	1.9					1.0
Lead	50	10					1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 3, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28598
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Extraction Date:	4/16-18/13
Date Received:	4/12/13	Analyst:	Hageman/Currence
Date Collected:	4/8-10/13	Date of Analysis:	4/17-18/13
Sample Collector:	J. Partap/ R. Anglin	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	FM0117D	CV0928B	HP0142A	CV0886A	CV0050B		
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit, ppm
	142827	142831	142834	142837	142838		
Acenaphthene	BDL	BDL	BDL	67.300	BDL		0.050
Acenaphthylene	BDL	BDL	BDL	3.800	0.060		0.050
Anthracene	BDL	BDL	0.070	65.200	0.145		0.050
Benzo(a)anthracene	BDL	0.050	0.185	216.000	0.680		0.050
Benzo(b)fluoranthene	BDL	0.090	0.460	203.000	0.870		0.050
Benzo(k)fluoranthene	0.050	0.070	0.330	186.000	0.455		0.050
Benzo(ghi)perylene	BDL	0.070	0.320	144.000	0.515		0.050
Benzo(a)pyrene	0.060	0.075	0.375	215.000	0.705		0.050
Chrysene	0.060	0.080	0.315	200.000	0.740		0.050
Dibenzo(ah)anthracene	BDL	BDL	0.120	51.200	0.175		0.050
Fluoranthene	0.080	0.110	0.320	492.000	1.290		0.050
Fluorene	BDL	BDL	BDL	58.100	0.085		0.050
Indeno(1,2,3-cd)pyrene	BDL	0.055	0.275	128.000	0.415		0.050
Naphthalene	BDL	BDL	0.165	106.000	0.170		0.050
Phenanthrene	BDL	BDL	0.360	456.000	0.925		0.050
Pyrene	0.070	0.090	0.305	370.000	1.110		0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MA* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	4/15-18/13	Analyst:	M. Hageman
Date Collected:	4/15-17/13	Date of Analysis:	5/8/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 6010B

## METALLIC ANALYTES

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0745B	FM0060A	FM0106B	CV1282A	CV1282C	CV0313B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	143033	143034	143035	143036	143037	143038	Limit,mg/Kg
Arsenic	5.6	4.2	5.9	5.3	9.6	6.8	1.0
Lead	162	160	97	56	192	173	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0423A	CV1013B	CV1225A	CV1066B	HP0311B	CV0516C	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	143039	143040	143041	143042	143043	143044	Limit,mg/Kg
Arsenic	11.3	3.5	4.6	9.5	9.5	4.0	1.0
Lead	100	103	97	245	333	77	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	HP0234B	FM0296A	FM0296C	HP0063A	HP0064B		
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID		Detection
as Total	143045	143046	143047	143048	143049		Limit,mg/Kg
Arsenic	7.1	BDL	1.2	6.3	2.9		1.0
Lead	277	77	421	98	97		1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*hdx* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

Quality Environmental Analytical Services

# Sutherland

Environmental Company, Inc.

2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 9, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28638
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	4/23/13
Date Received:	4/19/13	Analyst:	Hageman/Currence
Date Collected:	4/16-18/13	Date of Analysis:	4/25/13
Sample Collector:	J. Redmond/R. Norman	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	CV1282C	CV1013B	FM0296C	HP0064B		
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit, ppm
	143037	143040	143047	143049		
Acenaphthene	BDL	BDL	BDL	BDL		0.050
Acenaphthylene	BDL	BDL	BDL	BDL		0.050
Anthracene	0.057	0.059	BDL	BDL		0.050
Benzo(a)anthracene	0.327	0.845	BDL	0.053		0.050
Benzo(b)fluoranthene	0.422	1.970	BDL	0.075		0.050
Benzo(k)fluoranthene	0.326	1.100	BDL	0.063		0.050
Benzo(ghi)perylene	0.317	1.790	BDL	0.068		0.050
Benzo(a)pyrene	0.408	1.620	0.054	0.076		0.050
Chrysene	0.411	1.250	0.062	0.077		0.050
Dibenzo(ah)anthracene	0.072	0.555	BDL	BDL		0.050
Fluoranthene	0.545	0.985	0.074	0.093		0.050
Fluorene	BDL	BDL	BDL	BDL		0.050
Indeno(1,2,3-cd)pyrene	0.261	1.470	BDL	0.052		0.050
Naphthalene	0.121	0.094	0.113	BDL		0.050
Phenanthrene	0.278	0.435	0.108	0.078		0.050
Pyrene	0.488	0.885	0.064	0.083		0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*[Signature]* / QAQC

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*[Signature]*

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205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28677
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Extraction Date:	4/30/13 & 5/1/13
Date Received:	4/26/13	Analyst:	Hageman/Currence
Date Collected:	4/23-25/13	Date of Analysis:	5/1/13
Sample Collector:	N. Berrios	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID	FIELD ID	FIELD ID		
	CV0686A	CV0686C	HP0157A	CV0752C		
Polynuclear Aromatics, ppm	LAB ID	LAB ID	LAB ID	LAB ID		Detection Limit, ppm
	143258	143259	143263	143276		
Acenaphthene	BDL	0.060	BDL	BDL		0.050
Acenaphthylene	0.075	0.060	BDL	BDL		0.050
Anthracene	0.085	0.165	BDL	BDL		0.050
Benzo(a)anthracene	0.400	0.555	0.075	BDL		0.050
Benzo(b)fluoranthene	0.580	0.600	0.105	BDL		0.050
Benzo(k)fluoranthene	0.365	0.390	0.080	BDL		0.050
Benzo(ghi)perylene	0.385	0.570	0.070	BDL		0.050
Benzo(a)pyrene	0.520	0.620	0.090	BDL		0.050
Chrysene	0.555	0.775	0.105	BDL		0.050
Dibenzo(ah)anthracene	0.135	0.140	BDL	BDL		0.050
Fluoranthene	0.600	0.800	0.120	BDL		0.050
Fluorene	BDL	0.160	BDL	BDL		0.050
Indeno(1,2,3-cd)pyrene	0.315	0.320	0.060	BDL		0.050
Naphthalene	0.310	0.625	0.080	BDL		0.050
Phenanthrene	0.495	1.140	0.130	BDL		0.050
Pyrene	0.485	0.780	0.105	BDL		0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*[Signature]* / QAQC

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*[Signature]*

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Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28677
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	4/26/13	Analyst:	M. Hageman
Date Collected:	4/23-25/13	Date of Analysis:	5/9/13
Sample Collector:	N. Berrios	Method:	EPA Method 6010B

## METALLIC ANALYTES

	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0686A	CV0686C	CV0427A	CV0718B	CV0147A	HP0157A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	143258	143259	143260	143261	143262	143263	Limit,mg/Kg
Arsenic	8.4	4.3	8.1	9.7	BDL	7.6	1.0
Lead	119	149	228	122	87	99	1.0
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0575A	CV0927A	HP0288A	HP0232B	HP0200B	CV1342A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	143264	143265	143266	143267	143268	143269	Limit,mg/Kg
Arsenic	5.7	4.4	12.2	10.5	BDL	3.8	1.0
Lead	344	373	51	136	2315	141	1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

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Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28677
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke

Sample Matrix:	soil	Analytical	
Date Received:	4/26/13	Analyst:	M. Hageman
Date Collected:	4/23-25/13	Date of Analysis:	5/9/13
Sample Collector:	N. Berrios	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0790C	FM0023A	CV0282B	CV0121A	CV1312B	CV0752B	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	143270	143271	143272	143273	143274	143275	Limit,mg/Kg
Arsenic	4.4	18	4.1	6.4	4.6	8.8	1.0
Lead	180	34	205	141	115	359	1.0
	FIELD ID	FIELD ID	FIELD ID				
	CV0752C	FM0245A	FM0245C				
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID				Detection
as Total	143276	143277	143278				Limit,mg/Kg
Arsenic	BDL	4.0	BDL				1.0
Lead	101	143	84				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*[Signature]* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*[Signature]*

Kevin Doriety  
Analytical Chemist

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2515 5th Avenue South  
Birmingham, AL 35233  
205-581-9500



Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28717
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Analytical	
Date Received:	5/2/13	Analyst:	M. Hageman
Date Collected:	4/29-30/13	Date of Analysis:	5/9/13
Sample Collector:	A. Davis	Method:	EPA Method 6010B

METALLIC ANALYTES							
	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	FIELD ID	
	CV0727A	CV0728B	CV0731A	CV0670B	CV0670C	CV0662A	
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	LAB ID	Detection
as Total	143386	143387	143388	143389	143390	143391	Limit,mg/Kg
Arsenic	9.8	7.1	6.4	8.7	35	12	1.0
Lead	178	79	121	947	118	382	1.0
	FIELD ID	FIELD ID	FIELD ID				
	CV0963A	CV0964A	CV0466A				
Analyte, mg/Kg	LAB ID	LAB ID	LAB ID				Detection
as Total	143392	143393	143394				Limit,mg/Kg
Arsenic	2.2	4.4	5.1				1.0
Lead	83	88	120				1.0

NA = Not Available

BDL = Below Detection Limit

Detection Limit is Reporting Limit

All results expressed as PPM mg/Kg of total analyte

*mt* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

Kevin Doriety  
Analytical Chemist

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Client:	Goodwyn, Mills & Cawood	Report Date:	May 10, 2013
Attention:	Ms. Jymalyn Redmond	Reference #	28717
Address:	4659 Huffman Rd.	P.O. #	E11105
	Grady, AL 36036	Project ID:	Walter Coke, Inc

Sample Matrix:	soil	Extraction Date:	5/7/13
Date Received:	5/2/13	Analyst:	Hageman/Currence
Date Collected:	4/29-30/13	Date of Analysis:	5/8/13
Sample Collector:	A. Davis	Method:	EPA Method 8270C

POLYNUCLEAR AROMATIC HYDROCARBONS						
	FIELD ID	FIELD ID				
	CV0728B	CV0670B				
Polynuclear Aromatics, ppm	LAB ID	LAB ID				Detection Limit, ppm
	143387	143389				
Acenaphthene	BDL	BDL				0.050
Acenaphthylene	BDL	BDL				0.050
Anthracene	BDL	0.050				0.050
Benzo(a)anthracene	0.050	0.230				0.050
Benzo(b)fluoranthene	0.070	0.335				0.050
Benzo(k)fluoranthene	0.055	0.290				0.050
Benzo(ghi)perylene	0.100	0.275				0.050
Benzo(a)pyrene	0.085	0.315				0.050
Chrysene	0.070	0.280				0.050
Dibenzo(ah)anthracene	BDL	0.085				0.050
Fluoranthene	0.065	0.370				0.050
Fluorene	BDL	BDL				0.050
Indeno(1,2,3-cd)pyrene	BDL	0.230				0.050
Naphthalene	BDL	0.090				0.050
Phenanthrene	0.050	0.190				0.050
Pyrene	0.070	0.300				0.050

BDL = Below Detection Limit  
Detection limit is Practical Quantitation Limit  
All results expressed as PPM (mg/kg)

*MH* / QAQC

EPA Laboratory ID AL01084

Respectfully submitted,

*Kevin Doriety*

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